ORDER NO. ACED060107C3

Service Manual

AUTOMOTIVE AFTERMARKET

CQ-C7703W

WMA MP3 CD Player/Receiver

SPECIFICATIONS

Specifications*

General	
Power Supply	DC 12V (11V - 16V), Test Voltage 14.4V Negative Ground
Tone Controls (Bass/ Treble)	Bass: ±12dB at 60Hz / Treble: ± 12dB at 16kHz
Equalizer Center Frequency	60, 160, 400, 1k, 3k, 6k, 16k Hz
Variable Range of Equalizer	-12dB to 12dB (2dB step)
Current Consumption	Less than 2.2A / (CD mode; 0.5W × 4-speaker)
Maximum Power Output	70W × 4 (at 1kHz)
Power Output	33W × 4CH (1kHz, 1%, 4 Ω)
Speaker Impedance	4 - 8 Ω
Pre-amp Output Voltage	5V (CD mode; 1kHz, 0dB)
Subwoofer Output Voltage	5V (CD mode; 1kHz, 0dB)
Pre-amp Output Impedance	60 Ω
Subwoofer Output Impedance	60 Ω
FM Stereo Radio	
Frequency Range	87.50MHz - 108.00MHz
Usable Sensitivity	6 dB/ μ V (S/N 30dB)
Stereo Separation	35dB (at 1kHz)
AM Radio	
Frequency Range	531kHz - 1,602kHz
Usable Sensitivity	28dB/ μ V (S/N 20dB)

CD Player	
Sampling Frequency	**8 Times Oversampling**
DA Converter	**4 DAC System**
Pick-up Type	**Astigma 3-Beam**
Light Source	**Semiconductor Laser**
Wave Length	**790 nm**
Frequency Response	**20 Hz-20kHz (±1dB)**
Signal to Noise Ratio	**96dB**
Total Harmonic Distortion	**0.01% (1kHz)**
Wow and Flutter	**Below Measurable Limits**
Channel Separation	**85dB**
Dimensions (W×H×D)**	**178×50×155mm**
Weight**	**1.7 kg**
*** Specifications and the design are subject to possible modification without notice due to improvements.** **** Dimensions and Weight shown are approximate.** **** Above specifications comply with EIA standards.**	

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by ⚠ in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

1. ABOUT LEAD FREE SOLDER (PbF)

Distinction of PbF PCB:

PCBs (manufactured) using lead free solder will have a PbF stamp on the PCB.

Caution :

- **Pb free solder has a higher melting point than standard solder; Typically the melting point is 50 - 70°F (30 - 40°C) higher. Please use a soldering iron with temperature control and adjust it to 700 ± 20°F (370 ± 10°C). In case of using high temperature soldering iron, please be careful not to heat too long.**
- **Pb free solder will tend to splash when heated too high (about 1100°F/600°C)**
- **This lead free solder will be used for the products after serial No. 1,000,001.**

2. FEATUERS

- **Hands Free Phone System. (The optional Bluetooth hands-free kit: CY-BT100N)**
- **Expansion Module (The optional Hub unit: CY-EM100N)**
- **The optional adapter allows you to connect the optional Panasonic DVD changer unit (CX-DH801W).**
- **The optional adapter allows you to connect the optional Panasonic CD changer unit (CX-DP880).**
- **The optional adapter allows you to connect the optional iPod ® series.**
- **SQ (Sound Quality).**
- **SQ7 (7-Band Sound Quality).**
- **D-M.**
- **Customize the Display (Customize Function)**
- **MP3/WMA Playback from CD-R/RW.**

3. REPLACEING THE FUSE

Use fuses of the same specified rating 15 amps. Using different substitutes or fuses with higher ratings, or connecting the unit directly without a fuse, could cause fire or damage to the stereo unit.

4. MAINTENANCE

Your products is designed and manufactured to ensure a minimum of maintenance. Use a soft cloth for routine exterior cleaning. Never use benzine, thinner or other solvent.

5. NOTES

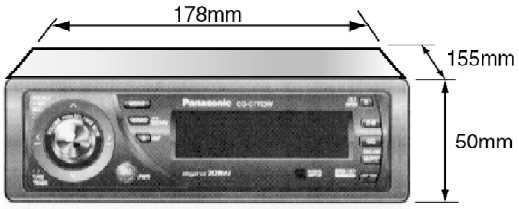
[RADIO BLOCK]

Do not align the AM/FM package block. When the package block is necessary, it will be supplied already aligned at the factory.

[CD DECK BLOCK]

This model has no servo alignment points because microcomputer controls the servo circuit

6. DIMENSIONS



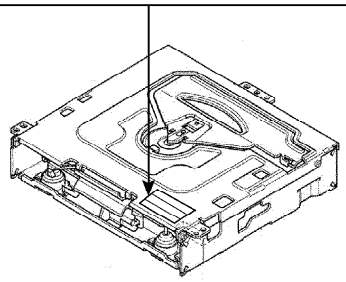
7. LASER PRODUCTS

CAUTION:

This product utilizes a laser diode with the unit turned "on", laser radiation is emitted from the pickup lens.
Laser radiation from the pickup lens is safety level, but be sure the followings:

1. Do not disassemble the optical pickup unit, since radiation from exposed laser diode is dangerous.
2. Do not adjust the variable resistor on the pickup unit. It was already adjusted.
3. Do not look at the focus lens using optical instruments.
4. Recommend not to look at pickup lens for a long time.

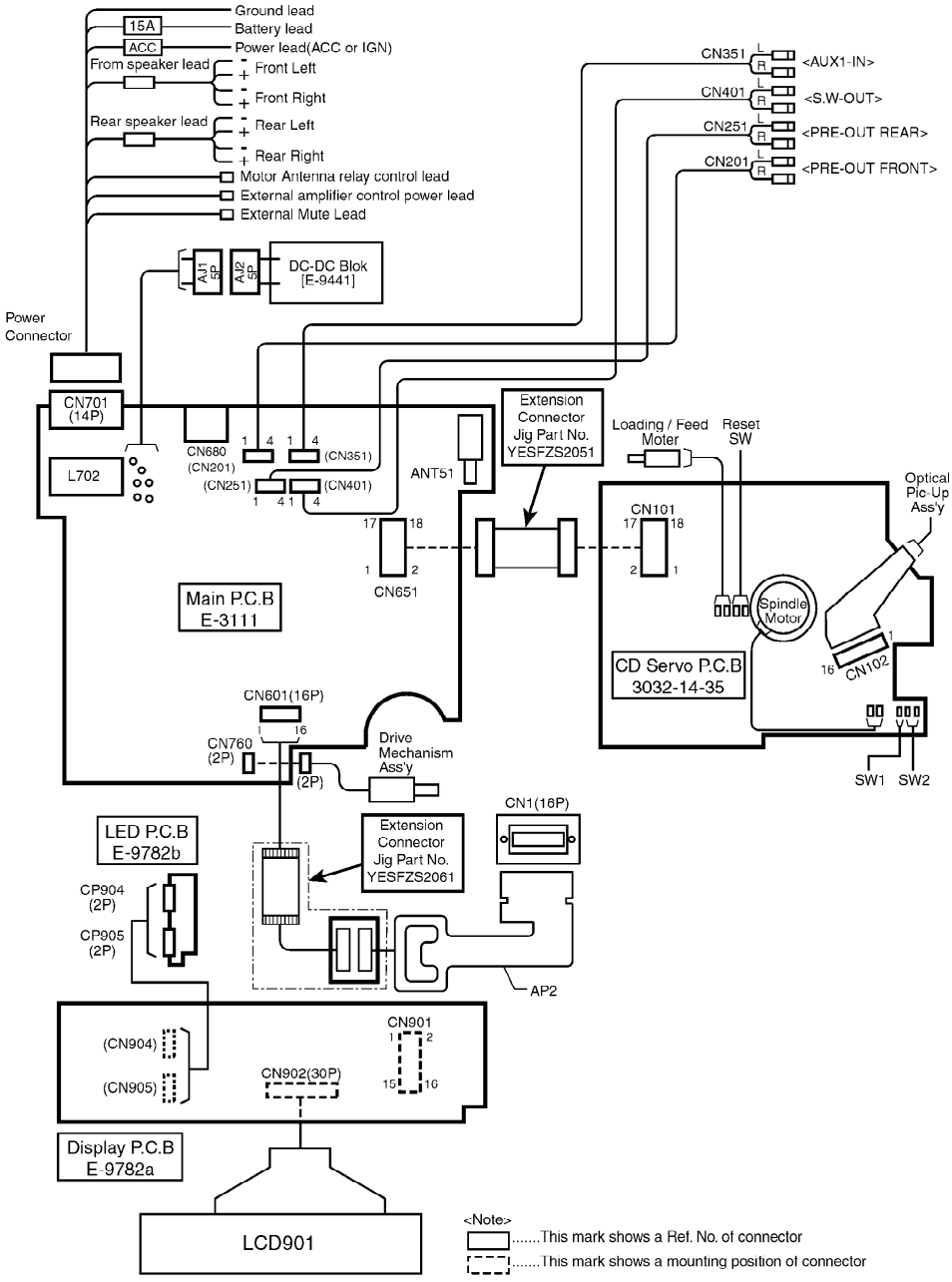
DANGER! Visible and invisible laser radiation when open. Avoid direct exposure to beam.



Deck Ass'y (Upper Side)

Caution
This Product utilizes a laser.
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

8. WIRING CONNECTION

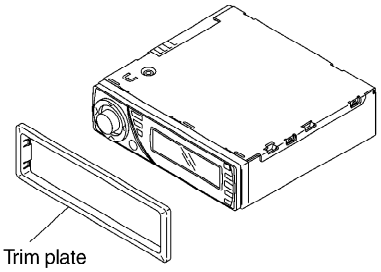


9. DISASSEMBLY INSTRUCTIONS

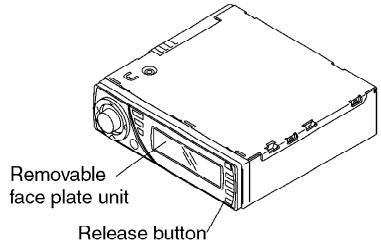
9.1. How to Remove the Flexible PCB(AP2)

■How to remove the flexible PCB(AP2)

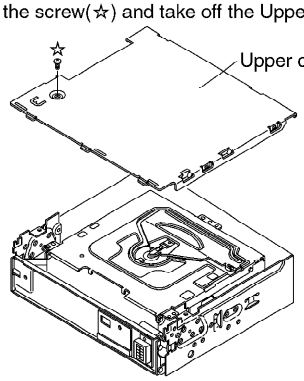
1. Remove the trim plate.



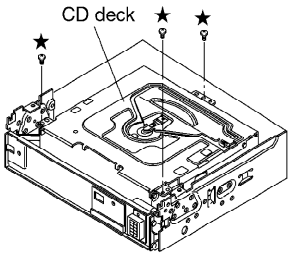
2. Remove the removable face plate unit by pressing the release button.



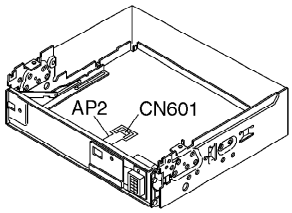
3. Remove the screw(☆) and take off the Upper cover.



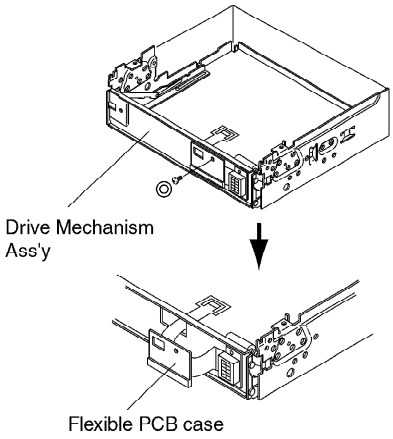
4. Remove the 3 screws(★) and take off the CD deck.



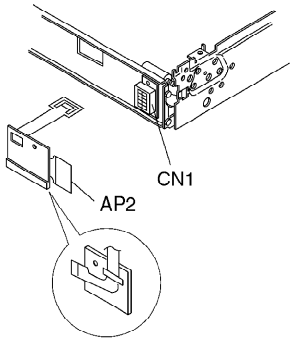
5. Remove the flexible PCB(AP2) from the CN601 (E-3111).



6. Remove the screw(◎) from the Drive Mechanism Ass'y and remove the flexible PCB case.



7. Remove the flexible PCB(AP2) from the CN1.



9.2. How to Install the Main P.C.B. of the Electric Display

10. TERMINALS DESCRIPTION

10.1. Main Block

IC601 : C2CBKG000035

Pin No.	Port	Description	(I/O)	(V)		
				FM	AM	CD
1	PANEL OPEN	Panel open detection	I	0	5.2	5.2
2	PANEL CLOSE	Panel close detection	I	0	0	5.2
3	SUBM CNT	3.3V power control for Display	O	5.0	-	-
4	BATT	Battery power check	I	4.8	5.0	5.0
5	ACC	Acc. power check	I	4.8	5.0	5.0
6	SDA	Serial data for electronic volume	I/O	4.9	4.9	4.9
7	SCLK	Serial clock for electronic volume	O	4.9	4.9	4.9
8	CD MUTE	Signal mute from CD deck	I	5.0	5.0	5.0
9	Vss	GND	-	0	0	0
10	ST	FM stereo detection	I	5.1	5.2	5.2
11	PLL DI	Serial data to PLL	O	0.6	0	0
12	PLL DO	Serial data from PLL	I	5.2	5.2	5.2
13	PLL CLK	Serial clock for PLL	O	4.9	4.9	4.9
14	PLL CE	Chip enable for PLL	O	0	0	0
15	CD RESET	Reset for CD deck	O	4.9	4.9	4.9
16	SUB SI	Serial data to Display CPU	O	0.6	0.6	0.8
17	CD IN	Disc-in detection	I	5.0	5.0	5.0
18	SUB SO	Serial data from Display CPU	I	4.4	4.4	4.4
19	CH DATA	XM SO/UP SO Serial data from Changer	I	1.6	1.6	1.6
20	CH CLK	Serial clock for Changer or Flash writer	I	4.9	4.9	4.9
21	Vdd	+5V power supply	-	4.9	4.9	4.9
22	UP SI	Serial data to Satellite or Flash writer	O	0	0	0
23	CD SI	Serial data to CD deck	O	0	0	0
24	CD SCLK	Serial clock for CD deck	I/O	0	0.4	0
25	CONDENSOR	Capacitor connection for power	-	3.3	3.3	3.3

Pin No.	Port	Description	(I/O)	(V)		
				FM	AM	CD
26	CD SO (MI)	Serial data from CD deck	I	0	0	0
27	CH STB	Strobe from Changer	I	0	0	0
28	CH REM OUT	Remote control codes to Changer	O	4.9	4.9	0.4
29	DECK V CONT	Power control for CD deck	O	4.9	4.9	4.9
30	REMO INT	Interrupt for remote control	I	3.7	3.7	3.7
31	CD FS	Frame sync. for CD deck	O	-	-	-
32	Avdd	+5V power supply	-	5.1	5.1	5.1
33	AVREF	+5V power supply	-	5.1	5.1	5.1
34	AVGND	GND	-	0	0	0
35	AVSS	GND	-	0	0	0
36	SD	FM/AM signal level meter	I	0.2	0	0.3
37	INIT A	Model setting A by voltage level	I	0	0	0
38	INIT B	Model setting B by voltage level	I	0	0	0
39	A IN	Spectrum analyzer data	I	0	0	0
40	Vss	GND	-	0	0	0
41	SYS ID1	Hub connection device detection ID 1	I	0	0	0
42	SYS ID2	Hub connection device detection ID 2	I	5.2	5.2	5.2
43	HUB EVENT	Bluetooth incoming detection	I	5.2	5.2	5.2
44	HUB CNT	Request of hub connection check	O	0	0	0
45	CD SW1	Disc detection switch 1	I	0	0	0
46	CD SW2	Disc detection switch 2	I	0	0	0
47	MOD0	Operating mode control 0 from Flash writer	I	5.1	5.1	5.1
48	MOD1	Operating mode control 1: pulled up to H	-	5.1	5.1	5.1

Pin No.	Port	Description	(I/O)	(V)		
				FM	AM	CD
49	MOD2	Operating mode control 2 from Flash writer	I	0	0	0
50	H STANDBY	Standby control from external	I	5.0	5.0	5.0
51	DCDC CONT	Not connected	-	-	-	-
52	FP MOTOR1	Open/Close of Front panel 1	O	4.9	5.0	4.9
53	FP MOTOR2	Open/Close of Front panel 2	O	4.9	5.0	4.9
54	V CONT1	Reference voltage control for motor driver	O	0	0	5.0
55	REMO 1	Remote control data	I	5.0	5.0	5.0
56	SA CLK	Spectrum analyzer clock	O	5.0	5.0	4.9
57	EXT MUTE	Pulled up to H	I	5.3	5.2	5.2
58	AMP CONT	Power control for external Amplifier	O	4.9	5.0	4.9
59	BZ OUT	Buzzer signal	O	0	0	0
60	NC	Not connected	-	-	-	-
61	WOW MODE1	SRS WOW mode 1 (C8403U only)	O	0	0	0
62	WOW MODE2	SRS WOW mode 2 (C8403U only)	O	0	0	0
63	WOW MODE3	SRS WOW mode 3 (C8403U only)	O	0	0	0
64	DIM1	Not connected	-	-	-	-
65	DIM2	Not connected	-	-	-	-
66	MAIN CNT2	Power control for Hub	O	5.0	5.0	5.0
67	SRC KEY	SOURCE key detection	I	5.0	4.9	5.0
68	PANEL IN	Panel attachment detection	I	-	-	-
69	NC	Not connected	-	-	-	-
70	NC	Not connected	-	-	-	-
71	NC	Not connected	-	-	-	-
72	MAIN CONT	Main power control	O	4.9	4.9	4.9
73	INV CONT	Dimmer power control	O	5.0	5.0	5.0
74	AF MUTE	Audio mute	O	5.0	5.0	5.0
75	RESET	Reset	I	5.0	5.0	5.0

Pin No.	Port	Description	(I/O)	(V)		
				FM	AM	CD
76	FOCUS ELV	Focus elevation for SRS WOW (C8403U only)	O	-	-	-
77	X1A	Oscillator clock	O	2.1	2.1	2.1
78	X0A	Oscillator clock	I	1.6	1.6	1.6
79	Vss	GND	-	0	0	0
80	X1	Crystal oscillator clock	I	2.0	2.0	2.0
81	X2	Crystal oscillator clock	O	2.5	2.5	2.5
82	Vdd	+5V power supply	-	5.0	5.0	5.0
83	P00	Pulled down to L	-	0	0	0
84	P01	Pulled up to H	-	5.1	5.0	5.1
85	OFFSET DET	Audio clipping level detection from Power amp.	I	0	0	0
86	STBY	Standby for Power amp.	O	5.0	5.0	5.0
87	MUTE	Mute for Power amp.	O	0	0	0
88	ILL SENS	Pulled up to H	-	5.0	5.0	5.0
89	HB AM	H-IC analog mode select	O	5.2	5.2	0
90	EP DO	EPROM comuni. data input	O/I	0	0	0
91	EP DI (NC)	Not connected	-	-	-	-
92	EP SK (NC)	Not connected	-	-	-	-
93	SUB RESET	Reset for display CPU	O	4.9	5.0	4.9
94	DISPM CONT	5V power control for Display	O	0	0	0
95	NC	Not connected	-	-	-	-
96	NC	Not connected	-	-	-	-
97	NC	Not connected	-	-	-	-
98	S LED	Security LED drive	O	0	0	5.0
99	ANT CONT	Power control for antenna motor	O	5.2	5.2	5.2
100	EP CS	EPROM chip select	I	0	0	0

10.2. Display Block

IC900 : C2CBJH000133

Pin No.	Port	Part Name & Description	I/O	(V)
1	A18	A18 in Address bus	O	1.5
2	A19	A19 in Address bus	O	1.7
3	A20	A20 in Address bus	O	1.3
4	NC	Not connected	-	-
5	LED G	-	-	-
6	LED B	-	-	-
7	A0	A0 in address bus for LCD	O	1.3
8	A1	A1 in Address bus	O	0.3
9	VSS	GND	-	-
10	A2	A2 in Address bus	O	0.4
11	A3	A3 in Address bus	O	0.4
12	A4	A4 in Address bus	O	0.4
13	A5	A5 in Address bus	O	1.3
14	A6	A6 in Address bus	O	0.4
15	A7	A7 in Address bus	O	0
16	A8	A8 in Address bus	O	1.3
17	A9	A9 in Address bus	O	0
18	A10	A10 in Address bus	O	0
19	A11	A11 in Address bus	O	1.5
20	A12	A12 in Address bus	O	1.7
21	VCC	+3.3V Power supply	-	3.5
22	A13	A13 in Address bus	O	1.4
23	A14	A14 in Address bus	O	1.5
24	A15	A15 in Address bus	O	1.7
25	SIN0	Serial data from Main CPU or Flash writer	I	0.5
26	SOT0	Serial data to Main CPU or Flash writer	O	1.8
27	SCK0	Serial clock for Flash writer	I	3.5
28	NC	Not connected	-	-
29	FRASH RESET	Reset for Flash memory	O	3.5
30	KS1	Key scan 1	O	0
31	NC	Not connected	-	-
32	NC	Not connected	-	-
33	AVCC	+3.3V Power supply	-	3.5
34	AVRH	+3.3V Power supply	-	3.5
35	AVSS/ AVRL	GND	-	-
36	TH DETECT	Pulled up to H	-	1.3
37	KS2	Key scan 2	O	0
38	KS3	Key scan 3	O	0
39	NC	Not connected	-	-

30	NC	Not connected		

Pin No.	Port	Part Name & Description	I/O	(V)
40	VSS	GND	-	-
41	KI5	Key-in return 5	I	0
42	KI4	Key-in return 4	I	0
43	KI3	Key-in return 3	I	0
44	KI2	Key-in return 2	I	0
45	NC	Pulled down to L	-	0
46	NC	Pulled up to H	-	3.5
47	MD0	Operating mode control 0 from Flash writer	I	3.5
48	MD1	Operating mode control 1: pulled up to H	-	3.5
49	MD2	Operating mode control 2 from Flash writer	I	0
50	NC	Not connected	-	-
51	ROTARY 1	Volume-up detection from Rotary encoder	I	2.5
52	ROTARY 2	Volume-down detection from Rotary encoder	I	2.5
53	NC	Not connected	-	-
54	NC	Not connected	-	-
55	NC	Not connected	-	-
56	NC	Not connected	-	-
57	NC	Not connected	-	-
58	FLASH CE	Chip enable for Flash memory	O	3.4
59	LCD CS	LCD chip select	O	3.4
60	LED R			
61	NC	Not connected	-	-
62	NC	Not connected	-	-
63	NC	Not connected	-	-
64	VLCD CONT	Power control for LCD	O	3.4
65	NC	Not connected	-	-
66	NC	Not connected	-	-
67	NC	Not connected	-	-
68	NC	Not connected	-	-
69	OE/RD	Output enable for Flash memory or Read strobe for LCD	O	3.4
70	LCD WR	Write strobe for LCD	O	3.4
71	FLASH WE	Write enable for Flash memory	O	3.4
72	NC	Not connected	-	-

Pin No.	Port	Part Name & Description	I/O	(V)
73	LCD RESET	Reset for LCD	O	3.4
74	FLASH RY/ BY	Ready/Busy from Flash memory	I	3.4
75	RST	Reset	I	3.5
76	NC	Not connected	-	-
77	NC	Not connected	-	-
78	X0A	GND	-	-
79	VSS	GND	-	-
80	X0	System clock (12.5MHz)	I	1.3
81	X1	System clock (12.5MHz)	O	1.5
82	VCC	+3.3V Power supply	-	3.5
83	D0	D0 in Data bus	I/O	0.9
84	D1	D0 in Data bus	I/O	0.9
85	D2	D0 in Data bus	I/O	1.1
86	D3	D0 in Data bus	I/O	0.9
87	D4	D0 in Data bus	I/O	1.0
88	D5	D0 in Data bus	I/O	1.1
89	D6	D0 in Data bus	I/O	1.1
90	D7	D0 in Data bus	I/O	0.9
91	D8	D0 in Data bus	I/O	0.9
92	D9	D0 in Data bus	I/O	0.9
93	D10	D0 in Data bus	I/O	0.9
94	D11	D0 in Data bus	I/O	0.5
95	D12	D0 in Data bus	I/O	0.9
96	D13	D0 in Data bus	I/O	0.7
97	D14	D0 in Data bus	I/O	0.7
98	D15	D0 in Data bus	I/O	0.7
99	A16	A16 in Address bus	O	3.0
100	A17	A17 in Address bus	O	1.7

10.3. CD Servo Block

IC101 : YESAM337

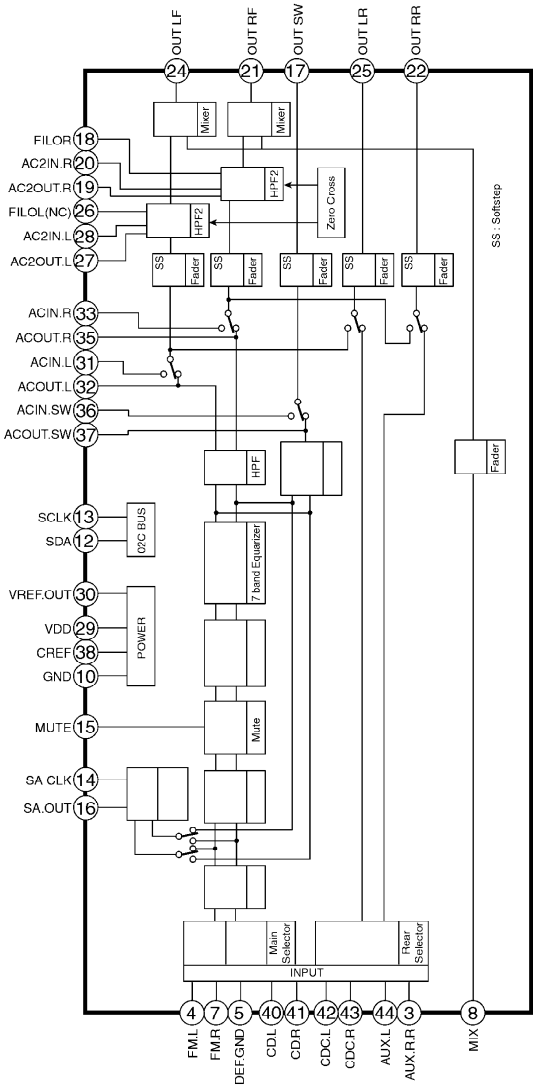
Pin No.	Port	Descriptions	I/O	(V)
1	AVSS	GND	-	0
2	LD-MT	Loading Motor drive IC control 1	O	3.2
3	CNT	Loading Motor drive IC control 2	O	3.2
4	-	Not Connected	-	-
5	LD-EJ	Loading Motor drive IC control (Eject)	O	0
6	AMUTE	Mute signal output	O	0
7	-	Not Connected	-	-
8	SBSY	DSP IC SBSY	O	0
9	-	Not Connected	-	-
10	-	Not Connected	-	-
11	TXD0	Serial data output	O	0
12	RXD0	Serial data input	I	0
13	CLK0	Clock input	I	2.9
14	TXD1	Serial data output	O	3.2
15	RXD1	Serial data input	I	0
16	CLK1	Clock input	I	0
17	AMD	-	-	3.2
18	DVCC	Power supply (3.3V)	-	3.2
19	X2	Crystal oscillator	-	1.3
20	DVSS	GND	-	0
21	X1	Crystal oscillator	-	1.3
22	AMI	-	-	3.2
23	RESET	Reset	I	3
24	-	Not Connected	-	-
25	-	Not Connected	-	-
26	NMI	-	-	3.2
27	-	Not Connected	-	-
28	STBY	DSP IC STBY	O	0
29	RST	DSP IC RST	O	3.2
30	CCE	DSP IC CCE	O	2.6
31	BUCK	DSP IC CK	O	2.8
32	BUS3	DSP IC BUS3	O	2.8
33	BUS2	DSP IC BUS2	O	2.8
34	BUS1	DSP IC BUS1	O	2.8
35	BUS0	DSP IC BUS0	O	2.9
36	RESET SW	Mechanics deck REST SW input	I	3.2
37	SW1	Mechanics deck SW1 input	I	0
38	SW2	Mechanics deck SW2 input	I	0

Pin No.	Port	Descriptions	I/O	(V)
39	CONT (P13)	DSP IC power control 1	O	3.2
40	-	Not Connected	-	-
41	-	Not Connected	-	-
42	-	Not Connected	-	-
43	CONT (P17)	DSP IC power control 2	O	3.2
44	PIO0	DSP IC PIO0	O	0
45	ZDET	LOAD detect	I	0
46-49	-	Not Connected	-	-
50	-	-	-	3.2
51-58	-	Not Connected	-	-
59	CDFS	Serial frame sink signal input (CD ON)	I	2.3
60	P50/ AN0	Reference voltage	I	0.3
61	P51/ AN0	Loading motor detect	I	2.1
62	P52/ AN2	-	-	0
63	P53/ AN3	-	-	0
64	AVCC	Power supply (3.3V)	-	3.2

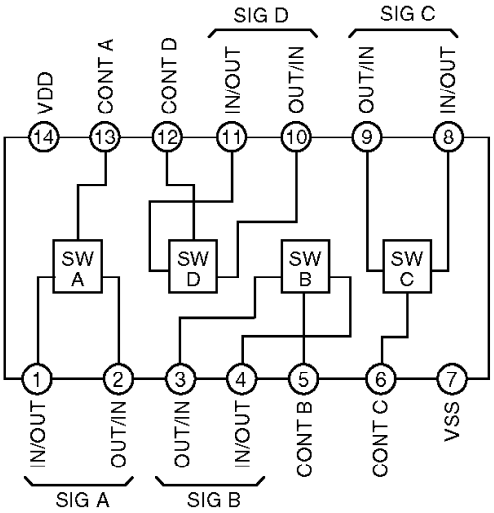
11. IC BLOCK DIAGRAM

11.1. Main Block

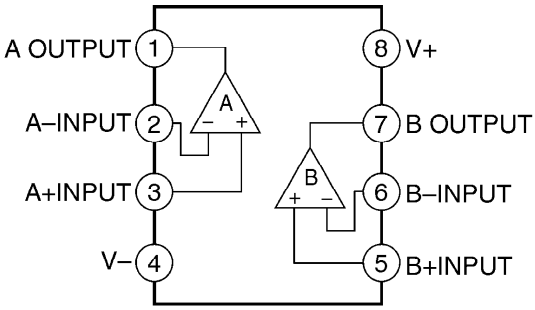
IC201 : C1BB00000796



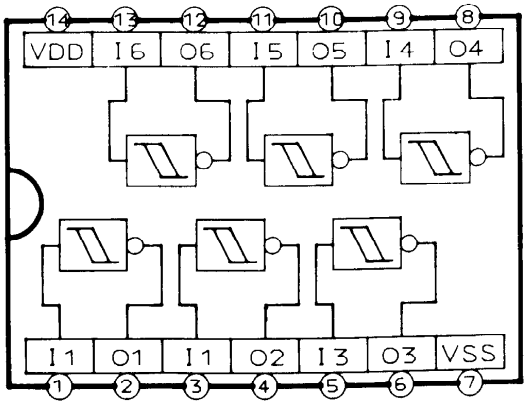
IC211 : C0JBAS000008



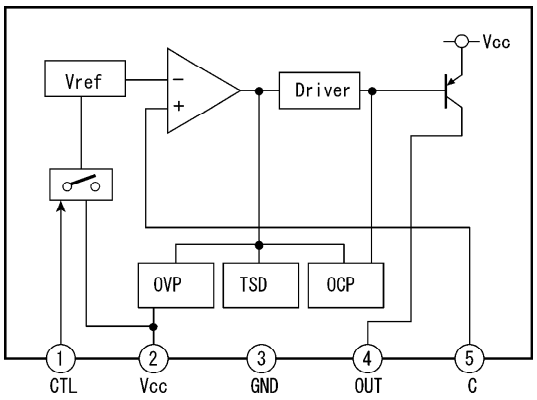
IC251,252 : C0ABBB000184



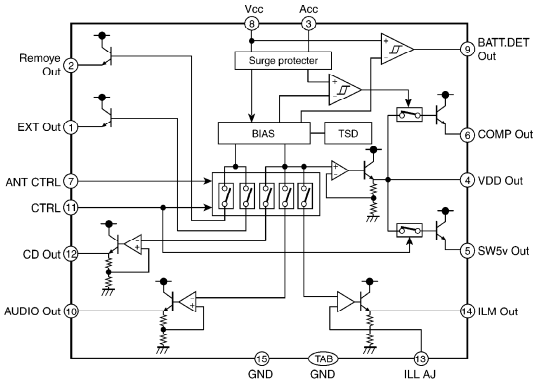
IC670 : YEAMC14584BE



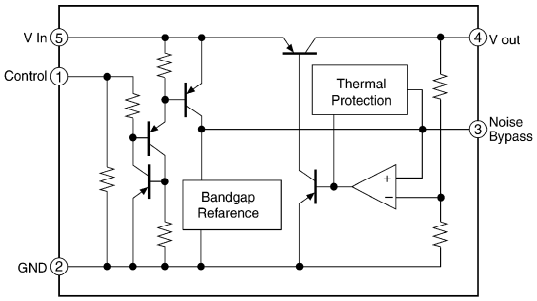
IC730 : C0DAEKG00002



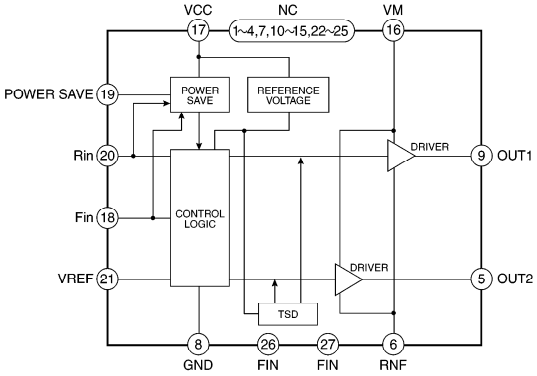
IC701 : C0DAZHF00004



IC755 : C0DBZGD00040

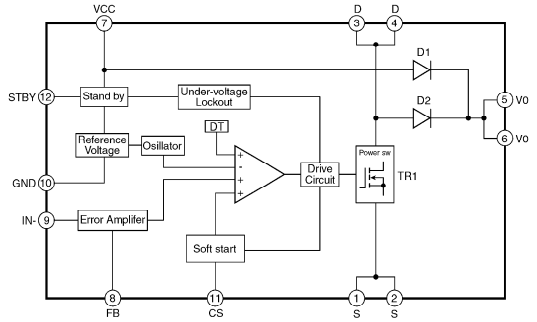


IC760 : C0GBG0000032



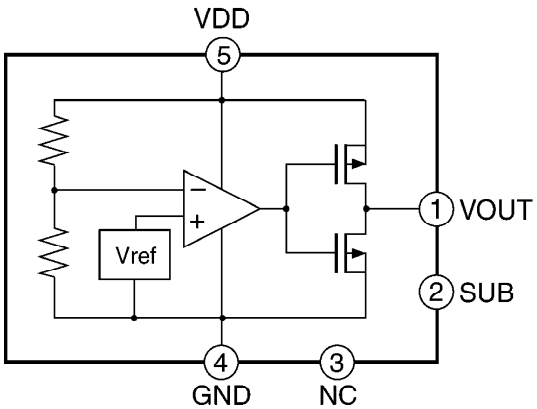
11.2. DC-DC Block

IC1 : C5HAAKH00001



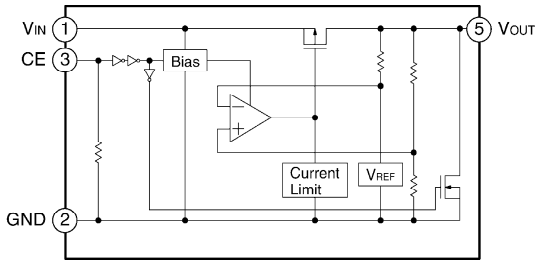
11.3. Display Block

IC902 : C0EBF0000374

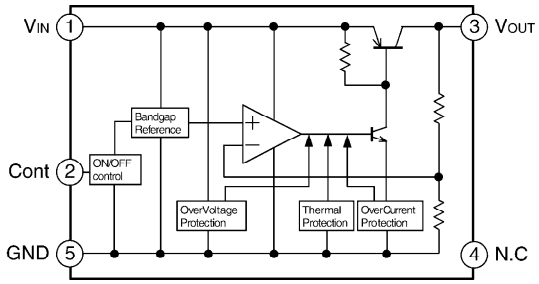


11.4. CD Servo Block

IC401, IC403 : YESAM341



IC402 : YESAM342



12. REPLACEMENT PARTS LIST

Notes :

1. **Be sure to make your orders of replacement parts according to this list.**
2. **Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.**
3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**

   - Order intake period is basically six months after the first shipment.

Ref. No.	Part No.	Part Name & Description	Remarks
[E3111] Main Block			
IC's AND TRANSISTORs			
IC101	C1BB00001045	IC	
IC201	C1BB00000796	IC	
IC210	C1BB00001131	IC	
IC211	C0JBAS000008	IC	
IC250	C1AB00002408	IC	
IC251	C0ABBB000184	IC	
IC252	C0ABBB000184	IC	
IC271	C1AA00000743	IC	
IC401	C1AB00002448	IC	
IC601	C2CBKG000035	IC	
IC630	C0JBAA000372	IC	
IC650	C0JBAA000372	IC	
IC670	YEAMC14584BE	IC	
IC701	C0DAZHF00004	IC	
IC702	C0EBZ0000035	IC	
IC730	C0DAEKG00002	IC	
IC752	C0CBCBG00012	IC	
IC755	C0DBZGD00040	IC	
IC760	C0GBG0000032	IC	
IC790	C0CBCYG00004	IC	
PA51	C5BA00000123	Electronic Tuner	
Q55	B1GBJCEJ0003	Transistor	
Q56	B1AAEC000002	Transistor	
Q120	B1CBGF000005	Transistor	
Q201	B1GBCFNN0004	Transistor	
Q205	B1GBHBEA0004	Transistor	
Q206	B1GBHBEA0004	Transistor	
Q210	B1GBCFNN0004	Transistor	
Q255	B1GBHBEA0004	Transistor	
Q256	B1GBHBEA0004	Transistor	
Q301	B1GBCFNN0004	Transistor	
Q305	B1GBHBEA0004	Transistor	
Q306	B1GBHBEA0004	Transistor	
Q355	B1GBHBEA0004	Transistor	
Q356	B1GBHBEA0004	Transistor	
Q405	B1GBHBEA0004	Transistor	
Q630	B1GBCFNN0004	Transistor	
Q633	B1GDCFJJ0002	Transistor	
Q650	YEANC114YKX	Transistor	
Q651	YEANC114YKX	Transistor	
Q652	YEANC114YKX	Transistor	
Q680	B1GDCFJJ0002	Transistor	
Q681	B1GDCFJJ0002	Transistor	
Q701	B1BACF000026	Transistor	
Q760	B1GBCFNN0004	Transistor	
Q790	B1GBNCEJ0003	Transistor	
Q792	YEANC114YKX	Transistor	
DIODEs			
D271	B0JCME000029	Diode	
D272	B0JCME000029	Diode	

Ref. No.	Part No.	Part Name & Description	Remarks
D273	B0JCME000029	Diode	
D274	B0JCME000029	Diode	
D281	B0JCME000029	Diode	
D282	B0JCME000029	Diode	
D283	B0JCME000029	Diode	
D284	B0JCME000029	Diode	
D371	B0JCME000029	Diode	
D372	B0JCME000029	Diode	
D373	B0JCME000029	Diode	
D374	B0JCME000029	Diode	
D381	B0JCME000029	Diode	
D382	B0JCME000029	Diode	
D383	B0JCME000029	Diode	
D384	B0JCME000029	Diode	
D405	B0JCMC000004	Diode	
D601	B0JCMC000004	Diode	
D630	B3AAB0000143	Diode	
D631	B0BC5R600003	Diode	
D632	MA152WATX	Diode	
D635	B0BC5R600003	Diode	
D636	B0BC5R600003	Diode	
D637	B0BC5R600003	Diode	
D638	B0BC5R600003	Diode	
D639	B0BC5R600003	Diode	
D670	B0JCMC000004	Diode	
D672	B0JCMC000004	Diode	
D673	B0BC5R000020	Diode	
D680	MA3X152A0L	Diode	
D681	B0BC5R600003	Diode	
D682	B0BC5R600003	Diode	
D701	YEADDAM3MA47	Diode	
D702	MA736TX	Diode	
D703	B0BC5R7A0062	Diode	
D704	B0JCMC000004	Diode	
D705	YEADSR1544TL	Diode	
D706	YEADSR1544TL	Diode	
D707	YEADRB051L40	Diode	
D710	B0JCMC000004	Diode	
D715	MA3X152A0L	Diode	
D716	MA721TX	Diode	
D760	B0BC5R000020	Diode	
D761	B0BC3R0A0058	Diode	
D770	B0ACCK000005	Diode	
D771	B0ACCK000005	Diode	
CAPACITORs			
C52	YECUS1H470JC	Ceramic, 47PF 50WV	
C53	F1J1H103A513	Ceramic, 0.01 μ F 50WV	
C54	F2A1A221A449	Electrolytic, 220 μ F 10WV	
C55	F1J1H103A513	Ceramic, 0.01 μ F 50WV	
C56	F3F1E105A001	Tantalum, 1 μ F 25WV	
C57	F2A1A101A450	Electrolytic, 100 μ F 10WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C61	YECUS1H183KX	Ceramic, 0.018 μ F 50WV	
C62	YECUS1H183KX	Ceramic, 0.018 μ F 50WV	
C65	F1J1H1020024	Ceramic, 1000PF 50WV	
C101	F1J1H120A034	Ceramic, 12PF 50WV	
C102	F1J1H120A034	Ceramic, 12PF 50WV	
C103	F1H1E103A011	Ceramic, 0.01 μ F 25WV	
C104	F2A0J101A500	Electrolytic, 100 μ F 6.3WV	
C105	F1J1H101A025	Ceramic, 100PF 50WV	
C120	F2A1A221A449	Electrolytic, 220 μ F 10WV	
C123	YECUS1E223KX	Ceramic, 0.022 μ F 25WV	
C124	ECQV1H224JL2	Plastic Film, 0.22 μ F 50WV	
C125	F1J1H103A513	Ceramic, 0.01 μ F 50WV	
C201	F1J1H681A672	Ceramic, 680PF 50WV	
C202	EEE1CA100SR	Electrolytic, 10 μ F 16WV	
C203	YECUS1C334KX	Ceramic, 0.33 μ F 16WV	
C204	F1J1A2250004	Ceramic, 2.2 μ F 10WV	
C205	EEE1HA3R3SR	Electrolytic, 3.3 μ F 50WV	
C208	F1J1A2250004	Ceramic, 2.2 μ F 10WV	
C210	EEE1CA100SR	Electrolytic, 10 μ F 16WV	
C211	EEE1HA3R3SR	Electrolytic, 3.3 μ F 50WV	
C212	EEE1CA100SR	Electrolytic, 10 μ F 16WV	
C215	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C216	F1H1E103A011	Ceramic, 0.01 μ F 25WV	
C217	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C218	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C219	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C220	EEE1CA100SR	Electrolytic, 10 μ F 16WV	
C221	F1H1E103A011	Ceramic, 0.01 μ F 25WV	
C222	YECUS1C474KX	Ceramic, 0.47 μ F 16WV	
C223	F2A1A221A449	Electrolytic, 220 μ F 10WV	
C224	F1J1H103A513	Ceramic, 0.01 μ F 50WV	
C225	F2A1C100A502	Electrolytic, 10 μ F 16WV	
C226	F2A1C100A502	Electrolytic, 10 μ F 16WV	
C227	F2A1C100A502	Electrolytic, 10 μ F 16WV	
C229	F2A1H3R3A501	Electrolytic, 3.3 μ F 50WV	
C244	EEE1EA4R7SR	Electrolytic, 4.7 μ F 25WV	
C245	F2A1H3R3A501	Electrolytic, 3.3 μ F 50WV	
C250	F2A1A221A449	Electrolytic, 220 μ F 10WV	
C251	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C252	F2A1C1010089	Electrolytic, 100 μ F 16WV	
C253	F2A1C1010089	Electrolytic, 100 μ F 16WV	
C254	F1J1H152A675	Ceramic, 1500PF 50WV	
C255	F1J1H152A675	Ceramic, 1500PF 50WV	
C256	EEE1CA470SP	Electrolytic, 47 μ F 16WV	
C257	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C258	F2A1A101A450	Electrolytic, 100 μ F 10WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C259	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C264	EEE1EA4R7SR	Electrolytic, 4.7 μ F 25WV	
C265	F2A1H3R3A501	Electrolytic, 3.3 μ F 50WV	
C271	ECQV1H224JL2	Plastic Film, 0.22 μ F 50WV	
C272	ECQV1H224JL2	Plastic Film, 0.22 μ F 50WV	
C273	F1K1H2240002	Ceramic, 0.22 μ F 50WV	
C274	F1H1E103A011	Ceramic, 0.01 μ F 25WV	
C275	F1K1H2240002	Ceramic, 0.22 μ F 50WV	
C279	F2A1H3R3A501	Electrolytic, 3.3 μ F 50WV	
C280	ECJ2FB1E475M	Ceramic, 4.7 μ F 25WV	
C281	ECQV1H224JL2	Plastic Film, 0.22 μ F 50WV	
C282	ECQV1H224JL2	Plastic Film, 0.22 μ F 50WV	
C283	F1K1H2240002	Ceramic, 0.22 μ F 50WV	
C284	F1H1E103A011	Ceramic, 0.01 μ F 25WV	
C285	F1K1H2240002	Ceramic, 0.22 μ F 50WV	
C291	F1J1H681A672	Ceramic, 680PF 50WV	
C293	F1J1H681A672	Ceramic, 680PF 50WV	
C295	F1J1H681A672	Ceramic, 680PF 50WV	
C296	F1K1C4740009	Ceramic, 0.47 μ F 16WV	
C297	F1J1H681A672	Ceramic, 680PF 50WV	
C298	F1K1C4740009	Ceramic, 0.47 μ F 16WV	
C301	F1J1H681A672	Ceramic, 680PF 50WV	
C302	EEE1CA100SR	Electrolytic, 10 μ F 16WV	
C303	YECUS1C334KX	Ceramic, 0.33 μ F 16WV	
C305	EEE1HA3R3SR	Electrolytic, 3.3 μ F 50WV	
C306	F2A1A101A450	Electrolytic, 100 μ F 10WV	
C307	EEE1CA100SR	Electrolytic, 10 μ F 16WV	
C308	F1J1A2250004	Ceramic, 2.2 μ F 10WV	
C309	EEE1CA100SR	Electrolytic, 10 μ F 16WV	
C310	EEE1CA100SR	Electrolytic, 10 μ F 16WV	
C311	EEE1HA3R3SR	Electrolytic, 3.3 μ F 50WV	
C312	EEE1CA100SR	Electrolytic, 10 μ F 16WV	
C315	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C316	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C317	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C318	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C319	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C320	F1J1C1050029	Ceramic, 1 μ F 16WV	
C321	YECUZ1C333KX	Ceramic, 0.033 μ F 16WV	
C322	YECUS1C334KX	Ceramic, 0.33 μ F 16WV	
C323	EEE1CA100SR	Electrolytic, 10 μ F 16WV	
C325	YECUZ1H221JC	Ceramic, 220PF 50WV	
C329	F2A1H3R3A501	Electrolytic, 3.3 μ F 50WV	
C344	EEE1EA4R7SR	Electrolytic, 4.7 μ F 25WV	
C345	F2A1H3R3A501	Electrolytic, 3.3 μ F 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C364	EEE1EA4R7SR	Electrolytic, 4.7 μ F 25WV	
C365	F2A1H3R3A501	Electrolytic, 3.3 μ F 50WV	
C371	ECQV1H224JL2	Plastic Film, 0.22 μ F 50WV	
C372	ECQV1H224JL2	Plastic Film, 0.22 μ F 50WV	
C373	F1K1H2240002	Ceramic, 0.22 μ F 50WV	
C374	F1H1E103A011	Ceramic, 0.01 μ F 25WV	
C375	F1K1H2240002	Ceramic, 0.22 μ F 50WV	
C379	F2A1H3R3A501	Electrolytic, 3.3 μ F 50WV	
C380	ECJ2FB1E475M	Ceramic, 4.7 μ F 25WV	
C381	ECQV1H224JL2	Plastic Film, 0.22 μ F 50WV	
C382	ECQV1H224JL2	Plastic Film, 0.22 μ F 50WV	
C383	F1K1H2240002	Ceramic, 0.22 μ F 50WV	
C384	F1H1E103A011	Ceramic, 0.01 μ F 25WV	
C385	F1K1H2240002	Ceramic, 0.22 μ F 50WV	
C391	F1J1H681A672	Ceramic, 680PF 50WV	
C393	F1J1H681A672	Ceramic, 680PF 50WV	
C395	F1J1H681A672	Ceramic, 680PF 50WV	
C396	F1K1C4740009	Ceramic, 0.47 μ F 16WV	
C397	F1J1H681A672	Ceramic, 680PF 50WV	
C398	F1K1C4740009	Ceramic, 0.47 μ F 16WV	
C401	EEE1HA3R3SR	Electrolytic, 3.3 μ F 50WV	
C402	F1J1A2250004	Ceramic, 2.2 μ F 10WV	
C403	F1J1A2250004	Ceramic, 2.2 μ F 10WV	
C404	EEE1EA4R7SR	Electrolytic, 4.7 μ F 25WV	
C405	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C406	F2A1A221A449	Electrolytic, 220 μ F 10WV	
C407	F1J1H152A675	Ceramic, 1500PF 50WV	
C408	F2A1C1010089	Electrolytic, 100 μ F 16WV	
C409	EEE1CA470SP	Electrolytic, 47 μ F 16WV	
C410	F2A1H3R3A501	Electrolytic, 3.3 μ F 50WV	
C562	F1J1H103A513	Ceramic, 0.01 μ F 50WV	
C564	F1H1E103A011	Ceramic, 0.01 μ F 25WV	
C567	F1H1E103A011	Ceramic, 0.01 μ F 25WV	
C568	F1H1E103A011	Ceramic, 0.01 μ F 25WV	
C570	F1H1E103A011	Ceramic, 0.01 μ F 25WV	
C572	F1H1E103A011	Ceramic, 0.01 μ F 25WV	
C575	F1H1E103A011	Ceramic, 0.01 μ F 25WV	
C577	F1H1E103A011	Ceramic, 0.01 μ F 25WV	
C601	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C602	F1H1E103A011	Ceramic, 0.01 μ F 25WV	
C603	F2A0J3310051	Electrolytic, 330 μ F 6.3WV	
C604	ECA0JM471I	Electrolytic, 470 μ F 6.3WV	
C605	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C606	YECUS1H220JC	Ceramic, 22PF 50WV	
C607	YECUS1H220JC	Ceramic, 22PF 50WV	
C608	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C609	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C610	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C612	F1H1H1000010	Ceramic, 10PF 50WV	
C613	F1H1H120A231	Ceramic, 12PF 50WV	
C630	F1H1E103A011	Ceramic, 0.01 μ F 25WV	
C631	F2A1H4R7A632	Electrolytic, 4.7 μ F 50WV	
C632	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C633	F2A1C470A630	Electrolytic, 47 μ F 16WV	
C634	F1H1E103A011	Ceramic, 0.01 μ F 25WV	
C635	F1J1H103A513	Ceramic, 0.01 μ F 50WV	
C636	F1J1H103A513	Ceramic, 0.01 μ F 50WV	
C650	F1H1E103A011	Ceramic, 0.01 μ F 25WV	
C670	F2A1C100A502	Electrolytic, 10 μ F 16WV	
C671	F1H1E103A011	Ceramic, 0.01 μ F 25WV	
C680	F2A1H2R2A634	Electrolytic, 2.2 μ F 50WV	
C681	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C682	F1H1E103A011	Ceramic, 0.01 μ F 25WV	
C701	YECUS1C154KX	Ceramic, 0.15 μ F 16WV	
C702	F2A1C1020069	Electrolytic, 1000 μ F 16WV	
C703	F1H1E103A011	Ceramic, 0.01 μ F 25WV	
C704	F2A0J3310051	Electrolytic, 330 μ F 6.3WV	
C705	F1H1E103A011	Ceramic, 0.01 μ F 25WV	
C707	F2A1C1020069	Electrolytic, 1000 μ F 16WV	
C708	F2A1H1R00095	Electrolytic, 1 μ F 50WV	
C711	F1J1H103A513	Ceramic, 0.01 μ F 50WV	
C712	F1K1E334A022	Ceramic, 0.33 μ F 25WV	
C713	YECUS1C474KX	Ceramic, 0.47 μ F 16WV	
C715	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C716	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C717	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C718	YECUZ1E104ZF	Ceramic, 0.1 μ F 25WV	
C719	EEAFC1A820H	Electrolytic, 82 μ F 10WV	
C720	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C721	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C730	F1K1E334A022	Ceramic, 0.33 μ F 25WV	
C731	YECUX1C334KX	Ceramic, 0.33 μ F 16WV	
C732	EEAFC1C560H	Electrolytic, 56 μ F 16WV	
C752	YECUS1C334KX	Ceramic, 0.33 μ F 16WV	
C753	YECUS1C334KX	Ceramic, 0.33 μ F 16WV	
C754	EEAFC0J560H	Electrolytic, 56 μ F 6.3WV	
C755	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C756	F1J1C1050013	Ceramic, 1 μ F 16WV	
C757	F1H1E103A011	Ceramic, 0.01 μ F 25WV	
C758	F2A0J470A558	Electrolytic, 47 μ F 6.3WV	
C760	F1H1E103A011	Ceramic, 0.01 μ F 25WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C761	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C762	F2A1C470A630	Electrolytic, 47 μ F 16WV	
C763	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C765	F1H1E103A011	Ceramic, 0.01 μ F 25WV	
C766	F1H1E103A011	Ceramic, 0.01 μ F 25WV	
C767	ECA1EDT222L	Electrolytic, 2200 μ F 25WV	
C769	ECJ2FB1E475M	Ceramic, 4.7 μ F 25WV	
C770	F1J1H1040014	Ceramic, 0.1 μ F 50WV	
C771	F1J1H1040014	Ceramic, 0.1 μ F 50WV	
C772	F1J1H1040014	Ceramic, 0.1 μ F 50WV	
C773	F1J1H1040014	Ceramic, 0.1 μ F 50WV	
C774	F1J1H1040014	Ceramic, 0.1 μ F 50WV	
C775	F1J1H1040014	Ceramic, 0.1 μ F 50WV	
C776	ECJ2FB1E475M	Ceramic, 4.7 μ F 25WV	
C777	F1J1H1040014	Ceramic, 0.1 μ F 50WV	
C778	ECJ2FB1E475M	Ceramic, 4.7 μ F 25WV	
C779	F1J1H1040014	Ceramic, 0.1 μ F 50WV	
C780	ECJ2FB1E475M	Ceramic, 4.7 μ F 25WV	
C781	F1J1H1040014	Ceramic, 0.1 μ F 50WV	
C790	F1J1H103A513	Ceramic, 0.01 μ F 50WV	
C791	EEAFC1C560H	Electrolytic, 56 μ F 16WV	
C792	YECUX1C334KX	Ceramic, 0.33 μ F 16WV	
C793	F1J1E334A009	Ceramic, 0.33 μ F 25WV	
C796	F1J1H1040014	Ceramic, 0.1 μ F 50WV	
RESISTORs			
R50	ERJ6GEYJ5R6V	Chip, 5.6 Ω 1/10W	
R54	ERJ6GEYJ101	Chip, 100 Ω 1/10W	
R55	ERJ6GEYJ331	Chip, 330 Ω 1/10W	
R56	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R65	ERJ6GEYJ393	Chip, 39k Ω 1/10W	
R101	ERJ3GEYJ152V	Chip, 1.5k Ω 1/16W	
R102	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R103	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R104	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R105	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R106	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R107	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R110	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R111	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R112	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R113	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R114	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R115	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R119	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
R120	ERJ6GEYJ100	Chip, 10 Ω 1/10W	
R121	ERJ8GEYJ561V	Chip, 560 Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
R123	ERJ6GEYJ182	Chip, 1.8k Ω 1/10W	
R200	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
R201	ERJ3GEYJ152V	Chip, 1.5k Ω 1/16W	
R202	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R203	ERJ6GEYJ183	Chip, 18k Ω 1/10W	
R205	ERJ3GEYJ562V	Chip, 5.6k Ω 1/16W	
R206	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R208	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R209	ERJ6GEYJ123	Chip, 12k Ω 1/10W	
R210	ERJ3GEYJ750V	Chip, 75 Ω 1/16W	
R212	ERJ6GEYJ153	Chip, 15k Ω 1/10W	
R213	ERJ3GEYJ561V	Chip, 560 Ω 1/16W	
R214	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R215	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R216	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R217	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R218	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R219	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R220	ERJ6GEYJ272	Chip, 2.7k Ω 1/10W	
R221	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R222	ERJ3GEYJ363V	Chip, 36k Ω 1/16W	
R223	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R224	ERJ6GEYJ822	Chip, 8.2k Ω 1/10W	
R225	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R228	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R229	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
R230	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R231	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R232	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R233	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R234	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R235	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R236	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
R237	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
R238	ERJ6GEYJ222	Chip, 2.2k Ω 1/10W	
R239	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
R243	ERJ6GEYJ273	Chip, 27k Ω 1/10W	
R244	ERJ6GEYJ393	Chip, 39k Ω 1/10W	
R246	ERJ3GEYJ560V	Chip, 56 Ω 1/16W	
R247	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R263	ERJ3GEYJ273V	Chip, 27k Ω 1/16W	
R264	ERJ6GEYJ393	Chip, 39k Ω 1/10W	
R266	ERJ6GEYJ560	Chip, 56 Ω 1/10W	
R267	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R271	ERJ1TYJ100U	Metal, 10 Ω	
R272	ERJ1TYJ100U	Metal, 10 Ω	
R274	ERJ6GEYJ223	Chip, 22k Ω 1/10W	
R275	ERJ3GEYJ223V	Chip, 22k Ω 1/16W	
R278	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R279	ERJ3GEYJ561V	Chip, 560 Ω 1/16W	
R280	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R281	ERJ1TYJ100U	Metal, 10 Ω	
R282	ERJ1TYJ100U	Metal, 10 Ω	
R283	ERJ6GEYJ153	Chip, 15k Ω 1/10W	
R284	ERJ6GEYJ153	Chip, 15k Ω 1/10W	
R285	ERJ6GEYJ822	Chip, 8.2k Ω 1/10W	
R286	ERJ6GEYJ822	Chip, 8.2k Ω 1/10W	
R291	ERJ8GEYJ100V	Chip, 10 Ω 1/8W	
R293	ERJ8GEYJ100V	Chip, 10 Ω 1/8W	
R295	ERJ8GEYJ100V	Chip, 10 Ω 1/8W	
R296	ERJ6GEYJ271	Chip, 270 Ω 1/10W	
R297	ERJ8GEYJ100V	Chip, 10 Ω 1/8W	
R298	ERJ6GEYJ271	Chip, 270 Ω 1/10W	
R301	ERJ6GEYJ152	Chip, 1.5k Ω 1/10W	
R302	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R303	ERJ6GEYJ183	Chip, 18k Ω 1/10W	
R305	ERJ3GEYJ562V	Chip, 5.6k Ω 1/16W	
R306	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R308	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R309	ERJ6GEYJ123	Chip, 12k Ω 1/10W	
R310	ERJ3GEYJ750V	Chip, 75 Ω 1/16W	
R312	ERJ6GEYJ153	Chip, 15k Ω 1/10W	
R313	ERJ3GEYJ561V	Chip, 560 Ω 1/16W	
R314	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R315	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R316	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R317	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R318	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R319	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R320	ERJ6GEYJ272	Chip, 2.7k Ω 1/10W	
R321	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R322	ERJ3GEYJ563V	Chip, 56k Ω 1/16W	
R323	ERJ3GEYJ164V	Chip, 160k Ω 1/16W	
R324	ERJ6GEYJ133V	Chip, 13k Ω 1/10W	
R325	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R328	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R329	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R330	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R331	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R332	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R333	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R334	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R335	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R336	ERJ6GEYJ101	Chip, 100 Ω 1/10W	
R338	ERJ6GEYJ222	Chip, 2.2k Ω 1/10W	
R343	ERJ6GEYJ273	Chip, 27k Ω 1/10W	
R344	ERJ6GEYJ393	Chip, 39k Ω 1/10W	
R346	ERJ3GEYJ560V	Chip, 56 Ω 1/16W	
R347	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R363	ERJ3GEYJ273V	Chip, 27k Ω 1/16W	
R364	ERJ3GEYJ393V	Chip, 39k Ω 1/16W	
R366	ERJ3GEYJ560V	Chip, 56 Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R367	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R371	ERJ1TYJ100U	Metal, 10 Ω	
R372	ERJ1TYJ100U	Metal, 10 Ω	
R374	ERJ6GEYJ223	Chip, 22k Ω 1/10W	
R375	ERJ6GEYJ223	Chip, 22k Ω 1/10W	
R378	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R379	ERJ3GEYJ561V	Chip, 560 Ω 1/16W	
R380	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R381	ERJ1TYJ100U	Metal, 10 Ω	
R382	ERJ1TYJ100U	Metal, 10 Ω	
R383	ERJ6GEYJ153	Chip, 15k Ω 1/10W	
R384	ERJ6GEYJ153	Chip, 15k Ω 1/10W	
R385	ERJ6GEYJ822	Chip, 8.2k Ω 1/10W	
R386	ERJ6GEYJ822	Chip, 8.2k Ω 1/10W	
R391	ERJ8GEYJ100V	Chip, 10 Ω 1/8W	
R393	ERJ8GEYJ100V	Chip, 10 Ω 1/8W	
R395	ERJ8GEYJ100V	Chip, 10 Ω 1/8W	
R396	ERJ6GEYJ271	Chip, 270 Ω 1/10W	
R397	ERJ8GEYJ100V	Chip, 10 Ω 1/8W	
R398	ERJ6GEYJ271	Chip, 270 Ω 1/10W	
R401	ERJ3GEYJ221V	Chip, 220 Ω 1/16W	
R402	ERJ6GEYJ273	Chip, 27k Ω 1/10W	
R403	ERJ6GEYJ393	Chip, 39k Ω 1/10W	
R406	ERJ6GEYJ560	Chip, 56 Ω 1/10W	
R407	ERJ3GEYJ223V	Chip, 22k Ω 1/16W	
R408	ERJ6GEYJ4R7	Chip, 4.7 Ω 1/10W	
R600	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
R601	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R602	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R603	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R604	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R605	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R606	ERJ3GEYJ823V	Chip, 82k Ω 1/16W	
R607	ERJ3GEYJ333V	Chip, 33k Ω 1/16W	
R608	ERJ6GEYJ822	Chip, 8.2k Ω 1/10W	
R609	ERJ3GEYJ223V	Chip, 22k Ω 1/16W	
R610	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R611	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R613	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R614	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R615	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R616	ERJ3GEYJ684V	Chip, 680k Ω 1/16W	
R617	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R618	ERJ6GEYJ223	Chip, 22k Ω 1/10W	
R619	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R620	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R621	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R622	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R623	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R624	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R625	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R626	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R627	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R628	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R629	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R630	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R631	ERJ6GEYJ821	Chip, 820 Ω 1/10W	
R632	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R633	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R634	ERJ3GEYJ561V	Chip, 560 Ω 1/16W	
R635	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R636	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R637	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R638	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R639	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R640	ERJ3GEYJ561V	Chip, 560 Ω 1/16W	
R641	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R642	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
R643	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
R644	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R645	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R646	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R648	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R653	ERJ3GEYJ512V	Chip, 5.1k Ω 1/16W	
R654	ERJ3GEYJ512V	Chip, 5.1k Ω 1/16W	
R655	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R656	ERJ3GEYJ272V	Chip, 2.7k Ω 1/16W	
R657	ERJ3GEYJ272V	Chip, 2.7k Ω 1/16W	
R658	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R659	ERJ3GEYJ272V	Chip, 2.7k Ω 1/16W	
R660	ERJ6GEYJ272	Chip, 2.7k Ω 1/10W	
R661	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R662	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R663	ERJ3GEYJ512V	Chip, 5.1k Ω 1/16W	
R664	ERJ6GEYJ512V	Chip, 5.1k Ω 1/10W	
R669	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R670	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R671	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R673	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R674	ERJ3GEYJ272V	Chip, 2.7k Ω 1/16W	
R675	ERJ3GEYJ272V	Chip, 2.7k Ω 1/16W	
R676	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R677	ERJ3GEYJ561V	Chip, 560 Ω 1/16W	
R678	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R679	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R680	ERJ3GEYJ681V	Chip, 680 Ω 1/16W	
R681	ERJ6GEYJ393	Chip, 39k Ω 1/10W	
R682	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R683	ERJ6GEYJ471	Chip, 470 Ω 1/10W	
R684	ERJ3GEYJ561V	Chip, 560 Ω 1/16W	
R685	ERJ3GEYJ561V	Chip, 560 Ω 1/16W	
R686	ERJ3GEYJ561V	Chip, 560 Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R687	ERJ6GEYJ561	Chip, 560 Ω 1/10W	
R688	ERJ6GEYJ561	Chip, 560 Ω 1/10W	
R689	ERJ3GEYJ561V	Chip, 560 Ω 1/16W	
R690	ERJ3GEYJ561V	Chip, 560 Ω 1/16W	
R691	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R692	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R693	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R694	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R695	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R696	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R697	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R698	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R699	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R702	ERJ3GEYJ224V	Chip, 220k Ω 1/16W	
R703	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R704	ERJ8GEYJ1R0V	Chip, 1 Ω 1/8W	
R705	ERJ6GEYJ682	Chip, 6.8k Ω 1/10W	
R706	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R708	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
R709	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R712	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R715	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R716	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R717	ERJ6GEYJ433V	Chip, 43k Ω 1/10W	
R719	ERJ3GEYJ684V	Chip, 680k Ω 1/16W	
R722	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R727	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
R728	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
R729	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
R732	ERJ6ENF1802V	Chip, 18k Ω 1/10W	
R733	ERJ6ENF1303V	Chip, 130k Ω 1/10W	
R734	ERJ6ENF2201V	Chip, 2.2k Ω 1/10W	
R755	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R760	ERJ3GEYJ152V	Chip, 1.5k Ω 1/16W	
R761	ERJ12YJ3R9H	Chip, 3.9 Ω 1/2W	
R762	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R763	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R770	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R790	ERJ6GEYJ223	Chip, 22k Ω 1/10W	
R791	ERJ3GEYJ223V	Chip, 22k Ω 1/16W	
R795	ERJ6ENF1002	Chip, 10k Ω 1/10W	
R796	ERJ6ENF2703V	Chip, 270k Ω 1/10W	
R797	ERJ6ENF2001V	Chip, 2k Ω 1/10W	
CONNECTORs			
CN201	K2KF29Z00039	Plug, 4P	
CN251	K2KF29Z00040	Plug, 4P	
CN351	K2KF29Z00033	Plug, 4P	
CN401	K2KF29Z00036	Plug, 4P	
CN600	K1KB08A00068	Connector, 8P	

Ref. No.	Part No.	Part Name & Description	Remarks
CN601	K1MN16BA0111	Connector, 16P	
CN651	K1KA18A00074	Connector, 18P	
CN680	K1AA113B0002	Connector, 13P	
CN701	K1FA116B0028	Connector, 16P	
CN760	YEAE5339802	Connector, 2P	
COILs			
FB601	J0JBC0000073	Coil	
FB602	J0JBC0000073	Coil	
FB603	J0JBC0000073	Coil	
L50	G1C150K00011	Coil	
L52	G1CR56K00009	Coil	
L101	G1C101JA0036	Coil	
L271	G1B6R3L00003	Coil	
L281	G1B6R3L00003	Coil	
L295	J0JBC0000073	Coil	
L296	J0JBC0000073	Coil	
L371	G1B6R3L00003	Coil	
L381	G1B6R3L00003	Coil	
L395	J0JBC0000073	Coil	
L396	J0JBC0000073	Coil	
L630	G0C330K00004	RF Coil	
L701	YELTBL01R1AT	Coil	
L702	YETQ026T164	Coil	
L780	G1CR56JA0036	Coil	
SWITCHes			
SW601	K0L1BA000099	Switch	
SW602	K0L1BA000104	Switch	
CRYSTALs			
XL101	H0D720400006	Crystal Oscillator	
XL601	H0D368400015	Crystal Oscillator	
XL602	H0J327200161	Crystal Oscillator	
FILTERs			
CF51	J0E8405A0002	NOISE FILTER	
Z50	J0LM00000001	Noise Filter	
THERMISTORs			
PT701	YERT7AR4R7MT	Thermistor	
[E9441] DC-DC Block			
IC's AND TRANSISTORs			
IC1	C5HAAKH00001	IC HYBRID	
IC2	C0EBB0000181	IC	

Ref. No.	Part No.	Part Name & Description	Remarks
DIODEs			
D1	MA3X152K0L	Diode	
CAPACITORs			
C1	EEUFK1C392S	Electrolytic, 3900 μ F 16WV	
C2	EEUFK1E332	Electrolytic, 3300 μ F 25WV	
C3	ECA1HHG3R3I	Electrolytic, 3.3 μ F 50WV	
C5	ECA1HHG2R2I	Electrolytic, 2.2 μ F 50WV	
C6	F1J1H103A513	Ceramic, 0.01 μ F 50WV	
C8	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C9	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C10	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C11	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C12	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C13	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C14	F1J1H103A513	Ceramic, 0.01 μ F 50WV	
C15	F1J1H103A513	Ceramic, 0.01 μ F 50WV	
RESISTORs			
R1	ERJ6GEYJ224	Chip, 220k Ω 1/10W	
R2	ERJ6GEYJ562	Chip, 5.6k Ω 1/10W	
R3	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R4	ERJ6GEYJ560	Chip, 56 Ω 1/10W	
R7	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
COILs			
L1	YETQ022T161	Coil	
L2	J0JKB0000005	Coil	
L3	J0JKB0000005	Coil	
L4	J0JKB0000005	Coil	
L5	G1C330JA0036	Coil	
[E9782] Display Block			
IC's AND TRANSISTORs			
IC900	C2CBJH000133	IC	
IC901	C3FBMD000236	IC	
IC902	C0EBF0000374	IC	
Q902	B1GDCFNN0002	Transistor	
Q903	B1GBCFNN0004	Transistor	
Q912	B1BBAC000014	Transistor	
Q941	B1ABCF000187	Transistor	
Q942	B1ABCF000187	Transistor	
Q943	B1ABCF000187	Transistor	

Ref. No.	Part No.	Part Name & Description	Remarks
DIODEs			
D901	B0BC5R600003	Diode	
D903	B0BC4R000006	Diode	
D906	B0BC01100039	Diode	
D907	B3AFB0000091	Diode	
D909	MA152WKTX	Diode	
D910	B0BC4R000006	Diode	
D911	B0BC4R000006	Diode	
D912	B0BC4R000006	Diode	
D913	B0BC4R000006	Diode	
D914	B0BC4R000006	Diode	
D917	B0BC4R000006	Diode	
D918	B0BC4R000006	Diode	
D919	B0BC4R000006	Diode	
D920	B0BC4R000006	Diode	
D931	B3AZB0000031	Diode	
D932	B3AZB0000031	Diode	
D933	B3AZB0000031	Diode	
D934	B3AZB0000031	Diode	
D935	B3AZB0000031	Diode	
D951	B3AFB0000091	Diode	
D952	B3AFB0000091	Diode	
D964	B0BC9R0A0058	Diode	
IC903	B3RAB0000054	Diode	
CAPACITORs			
C902	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C903	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C904	YECSW1C106MS	Tantalum, 10 μ F 16WV	
C907	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C908	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C911	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C912	YECSW1C106MS	Tantalum, 10 μ F 16WV	
C913	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C914	YECUS1C105ZF	Ceramic, 1 μ F 16WV	
C915	YECUS1C105ZF	Ceramic, 1 μ F 16WV	
C916	F1J1H102A672	Ceramic, 1000PF 50WV	
C917	YECSW1C106MS	Tantalum, 10 μ F 16WV	
C918	YECSW1C106MS	Tantalum, 10 μ F 16WV	
C919	YECUZ1H103KX	Ceramic, 0.01 μ F 50WV	
C931	YECUV1C225KX	Ceramic, 2.2 μ F 16WV	
C932	YECUV1C225KX	Ceramic, 2.2 μ F 16WV	
C933	YECUV1C225KX	Ceramic, 2.2 μ F 16WV	
C934	YECUV1C225KX	Ceramic, 2.2 μ F 16WV	
C935	YECUV1C225KX	Ceramic, 2.2 μ F 16WV	
C936	YECUV1C225KX	Ceramic, 2.2 μ F 16WV	
C937	YECUV1C225KX	Ceramic, 2.2 μ F 16WV	

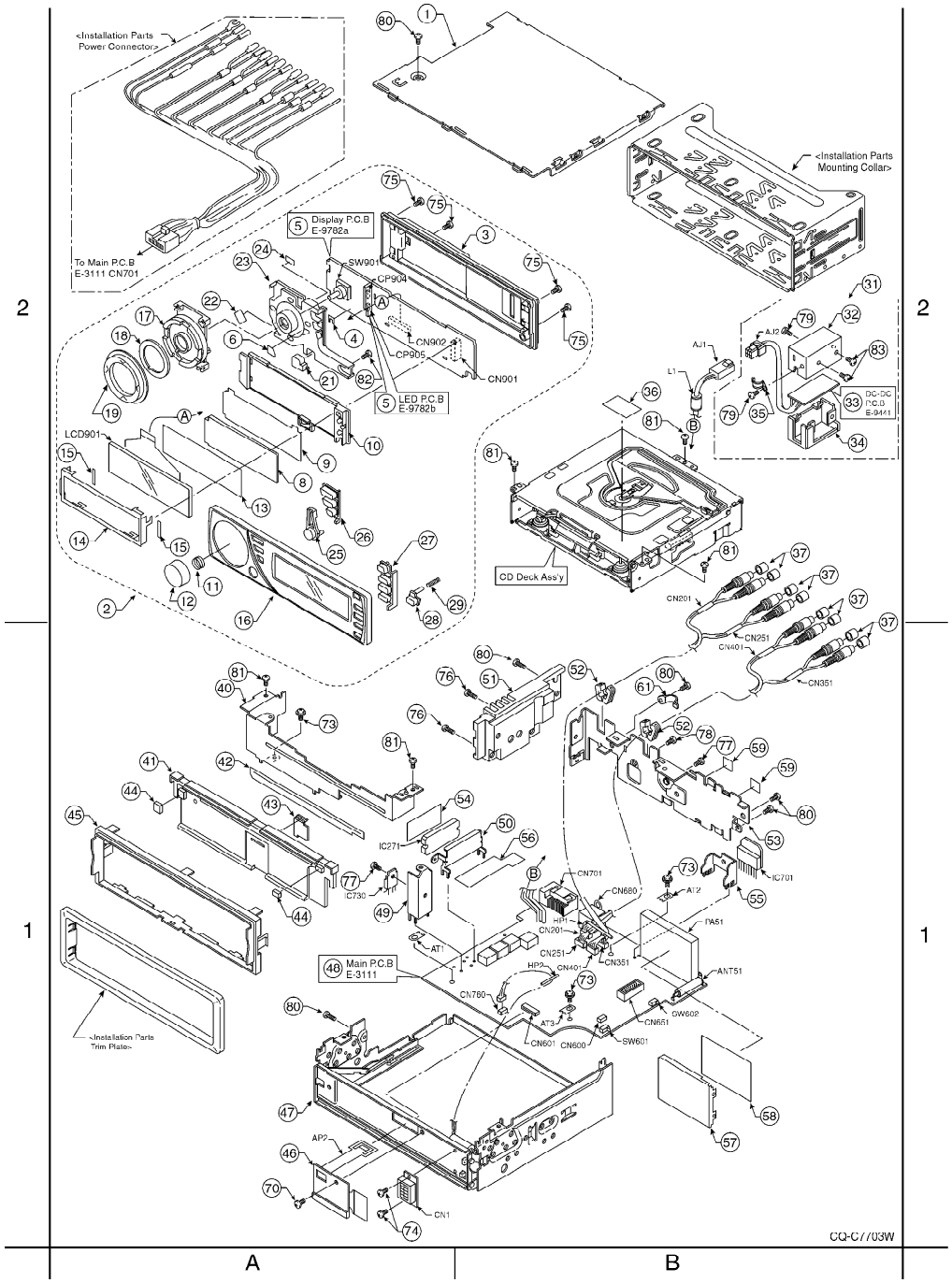
Ref. No.	Part No.	Part Name & Description	Remarks
C938	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C939	YECUV1C225KX	Ceramic, 2.2 μF 16WV	
C940	YECUV1C225KX	Ceramic, 2.2 μF 16WV	
C941	YECUV1C225KX	Ceramic, 2.2 μF 16WV	
C942	YECUV1C225KX	Ceramic, 2.2 μF 16WV	
C973	YECUZ1H103KX	Ceramic, 0.01 μF 50WV	
C974	YECUZ1H103KX	Ceramic, 0.01 μF 50WV	
RESISTORs			
R902	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R903	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R904	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R905	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R911	ERJ3GEYJ222V	Chip, 2.2kΩ 1/16W	
R912	ERJ3GEYJ222V	Chip, 2.2kΩ 1/16W	
R913	ERJ3GEYJ222V	Chip, 2.2kΩ 1/16W	
R914	ERJ3GEYJ222V	Chip, 2.2kΩ 1/16W	
R916	ERJ3GEYJ184V	Chip, 180kΩ 1/16W	
R917	ERJ3GEYJ184V	Chip, 180kΩ 1/16W	
R918	ERJ3GEYJ184V	Chip, 180kΩ 1/16W	
R923	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R924	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R925	ERJ3GEYJ302V	Chip, 3kΩ 1/16W	
R928	ERJ3GEYJ222V	Chip, 2.2kΩ 1/16W	
R929	ERJ3GEYJ122V	Chip, 1.2kΩ 1/16W	
R932	ERJ3GEYJ101V	Chip, 100Ω 1/16W	
R933	ERJ6GEYJ751V	Chip, 750Ω 1/10W	
R934	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R935	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R936	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R937	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R941	ERJ8GEYJ471V	Chip, 470Ω 1/8W	
R942	ERJ8GEYJ331V	Chip, 330Ω 1/8W	
R943	ERJ8GEYJ391V	Chip, 390Ω 1/8W	
R944	ERJ8GEYJ471V	Chip, 470Ω 1/8W	
R945	ERJ8GEYJ331V	Chip, 330Ω 1/8W	
R946	ERJ8GEYJ391V	Chip, 390Ω 1/8W	
R947	ERJ3GEYJ562V	Chip, 5.6kΩ 1/16W	
R948	ERJ3GEYJ562V	Chip, 5.6kΩ 1/16W	
R949	ERJ3GEYJ562V	Chip, 5.6kΩ 1/16W	
R950	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R952	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R953	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R954	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R955	ERJ8GEYJ751V	Chip, 750Ω 1/8W	
R956	ERJ8GEYJ331V	Chip, 330Ω 1/8W	
R957	ERJ8GEYJ391V	Chip, 390Ω 1/8W	
R958	ERJ8GEYJ751V	Chip, 750Ω 1/8W	
R959	ERJ8GEYJ331V	Chip, 330Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
R960	ERJ8GEYJ391V	Chip, 390 Ω 1/8W	
R961	ERJ8GEYJ751V	Chip, 750 Ω 1/8W	
R962	ERJ8GEYJ331V	Chip, 330 Ω 1/8W	
R963	ERJ8GEYJ391V	Chip, 390 Ω 1/8W	
R964	ERJ6GEYJ132V	Chip, 1.3k Ω 1/10W	
R969	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R970	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R971	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R981	ERJ6GEYJ182	Chip, 1.8k Ω 1/10W	
R982	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
TH900	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
CONNECTORs			
CN901	K1NZ16D00001	Connector, 16P	
CN902	K1MN30BA0109	Connector, 30P	
CP904	YEAE0102ILA	Connector, 2P	
CP905	YEAE0102ILA	Connector, 2P	
SWITCHes			
SW901	K9AA024A0013	Switch	
SW902	K0H1BA000445	Switch	
SW903	K0H1BA000445	Switch	
SW905	K0H1BA000445	Switch	
SW906	K0H1BA000445	Switch	
SW907	K0H1BA000445	Switch	
SW908	K0H1BA000445	Switch	
SW909	K0H1BA000445	Switch	
SW910	K0H1BA000445	Switch	
SW911	K0H1BA000445	Switch	
SW912	K0H1BA000445	Switch	
SW913	K0H1BA000445	Switch	
SW914	K0H1BA000445	Switch	
CRYSTALs			
XL900	H2C122500003	Ceramic Oscillator	
LCD			
LCD901	L5F000000010	LCD	
Accessories			
PRINTINGs			
	YEFM285770	Operating Instructions	
	YEFM262698	System Upgrade Guidebook	
	YEFM294138	Installation Instructions	
INSTALLATION PARTS			

Ref. No.	Part No.	Part Name & Description	Remarks
	EUR7641010	Remote Control Unit (includes a battery)	
	CR2025/1F	Lithium Battery	⚠
	YGAJ021011	Power Connector	
	YEFX0217222	Mounting Collar	
	YEFC051013	Trim Plate	
	YEP0FZ5701	Installation Kit (Lock Cancel Plate, Mounting Bolt, Tapping Screw, Hex Nut)	
	YEFG04019	Rear Support Strap	
	YEFA134150	Removable Face Plate Case	
Mechanical Parts			
MISCELLANEOUS			
AJ1	YEAJ02895	Cord With Plug	
AJ2	YEAJ02896	Cord With Plug	
AP2	YGAP2985	Flexible PCB	
ANT51	YEAA10090	Antenna Receptacle	
AT1-3	K4ZZ01000048	Terminal	
CN1	K1NZ16H00002	Connector, 16P	
HP1	YEAT03324	Terminal	
HP2	K4ZZ01000044	Terminal	
L1	YELTCAT2035A	RF Coil	
1	YEFA031898A	Upper Cover	
2	YEP0FX13403	Removable Face Plate Unit	RTL
3	YEFA134121	Back Cover, Detachable	
4	YEFX9995929	Optical Shade	
5	YGP0PT9782Y9	Display PCB w/Component	RTL
6	YEFV023520	Optical Shade	
8	YEFX0013087	Prism Mirror	
9	YEFX9995567	Reflection Sheet	
10	YEFK061408	LCD Holder	
11	YEFX0052572	Spring, Knob Vol	
12	YEFE071005	Knob, Vol	
13	YEFV023487	Diffusion Sheet, LCD901	
14	YEFX0217430	Case, LCD901	
15	YEFX9995490	Spacer	
16	YESFC02235	Detachable Face Ass'y	
17	YEFE1310578	Button, TUNE/TRACK Base	
18	YEFJ013161	Vol Plate B	
19	YEFE1310577	Button, TUNE/TRACK Cap	
21	YEFK061410	Shading Cover	
22	YEFV023497	Optical Shade	
23	YEFX0013229	Transparent Plate	
24	YEFV023498	Optical Shade	
25	YEFE1310573	Button, SRC	
26	YEFE1310574	Button, MENU/BAND/D	
27	YEFE1310723	Button, EJ/D-M/SQ/MUTE	
28	YEFE1310579	Button, Release	
29	YEFX0053029	Spring	
31	YEP0FX5807	DC-DC Converter Ass'y	RTL
32	YEFA032002	Upper Cover, DC-DC	
33	YGP0PT9441X9	DC-DC PCB W/Component	RTL
34	YEFA131904	Case, DC-DC	

Ref. No.	Part No.	Part Name & Description	Remarks
35	YEFX007677	Clamper, AJ2	
36	YEFM031552	Laser Seal	
37	YEFR041000	Cap	
40	YEFA07669	Front Plate	
41	YEFC028113	Rear Cover, Escutcheon	
42	YEFS02431	Pad	
43	YEFX0012368	Transparent Plate, Escutcheon	
44	YEFS012112	Pad, Escutcheon	
45	YEFC028112	Front Cover, Escutcheon	
46	YEFA131827	Flexible PCB Case	
47	YEP9FX352	Drive, Mechanical Assy	
48	YGP0PT3111Y9	Main PCB W/Component	RTL
49	YEFX0216269	Bracket, IC730	
50	YEFX0216309	Bracket, IC271	
51	YEFF011149A	Heat Sink	
52	YEFX007685	Clamper	
53	YEFA081010	Rear Plate	
54	YEFV012416	Insulator, IC271	
55	YEFX0217229	Bracket, IC701	
56	YEFV03923	Magnetic Shield, CN	
57	YEFV034029	Magnetic Shield, PA1	
58	YEFV012640	Insulator, PA1	
59	YEFV012641	Insulator, Rear Plate	
61	YEFX007677	Clamper	
70	YEJS06404A	Binding Screw	
73	YEJT03333A	Tapping Screw	
74	XQN2+C4FJK	Machin Screw	
75	XQN2+BG8FJK	Machin Screw	
76	XSB3+8FJ	Binding Screw	
77	XSB3+6FJ	Binding Screw	
78	XSB26+5FJ	Binding Screw	
79	XTB3+8FFJ	Tapping Screw	
80	XTB3+6FFJ	Tapping Screw	
81	XTB26+6FFJ	Tapping Screw	
82	XTB2+6GFJ	Tapping Screw	
83	YEJS05016A	Screw	

13. EXPLODED VIEW (Unit)



14. CD PLAYER PARTS LIST

Notes :

1. **Be sure to make your orders of replacement parts according to this list.**
2. **Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.**

3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**

   - Order intake period is basically six months after the first shipment.

Ref. No.	Part No.	Part Name & Description	Remarks
[3032-14-35] CD Servo Block			
IC's and TRANSISTORs			
IC101	YESAM337	IC	
IC201	YESAM343	IC	
IC301	YESAM339	IC	
IC401	YESAM341	IC	
IC402	YESAM342	IC	
IC403	YESAM341	IC	
Q201	YESAN086	Transistor	
Q202	B1GDCFJJ0008	Transistor	
Q203	YESAN116	Transistor	
Q204	YESAN116	Transistor	
CAPACITORS			
C101	YESCC439	Ceramic, 0.1 μ F 25WV	
C102	YESCC439	Ceramic, 0.1 μ F 25WV	
C103	YESCC439	Ceramic, 0.1 μ F 25WV	
C104	YESCC441	Ceramic, 1000pF 50WV	
C105	YESCC441	Ceramic, 1000pF 50WV	
C151	YESCC388	Electrolytic, 100uF 16WV	
C201	YESCC448	Ceramic, 0.033 μ F 25WV	
C202	YESCC448	Ceramic, 0.033 μ F 25WV	
C203	YESCC439	Ceramic, 0.1 μ F 25WV	
C204	YESCC439	Ceramic, 0.1 μ F 25WV	
C205	YESCC439	Ceramic, 0.1 μ F 25WV	
C206	YESCC439	Ceramic, 0.1 μ F 25WV	
C207	YESCC439	Ceramic, 0.1 μ F 25WV	
C208	YESCC439	Ceramic, 0.1 μ F 25WV	
C209	YESCC446	Ceramic, 2200pF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C210	YESCC439	Ceramic, 0.1 μ F 25WV	
C211	YESCC439	Ceramic, 0.1 μ F 25WV	
C212	YESCC439	Ceramic, 0.1 μ F 25WV	
C213	YESCC439	Ceramic, 0.1 μ F 25WV	
C214	YESCC435	Ceramic, 47pF 50WV	
C215	YESCC444	Ceramic, 0.015 μ F 50WV	
C216	YESCC442	Ceramic, 0.01 μ F 50WV	
C218	YESCC442	Ceramic, 0.01 μ F 50WV	
C219	YESCC525	Ceramic, 0.047 μ F 50WV	
C220	YESCC439	Ceramic, 0.1 μ F 25WV	
C221	YESCC442	Ceramic, 0.01 μ F 50WV	
C222	YESCC439	Ceramic, 0.1 μ F 25WV	
C223	YESCC444	Ceramic, 0.015 μ F 50WV	
C224	YESCC439	Ceramic, 0.1 μ F 25WV	
C225	YESCC520	Ceramic, 68pF 50WV	
C226	YESCC439	Ceramic, 0.1 μ F 25WV	
C227	YESCC439	Ceramic, 0.1 μ F 25WV	
C228	YESCC439	Ceramic, 0.1 μ F 25WV	
C229	YESCC439	Ceramic, 0.1 μ F 25WV	
C230	YESCC442	Ceramic, 0.01 μ F 50WV	
C231	YESCC442	Ceramic, 0.01 μ F 50WV	
C232	YESCC388	Electrolytic, 100uF 16WV	
C233	YESCC388	Electrolytic, 100uF 16WV	
C234	YESCC439	Ceramic, 0.1 μ F 25WV	
C235	YESCC442	Ceramic, 0.01 μ F 50WV	
C236	YESCC439	Ceramic, 0.1 μ F 25WV	
C237	YESCC432	Ceramic, 220pF 50WV	
C238	YESCC432	Ceramic, 220pF 50WV	
C241	YESCC521	Ceramic, 680pF 50WV	
C242	YESCC521	Ceramic, 680pF 50WV	
C251	YESCC459	Electrolytic, 47 μ F 6.3WV	
C252	YESCC388	Electrolytic, 100uF 16WV	
C253	YESCC458	Electrolytic, 100 μ F 4WV	
C256	YESCC388	Electrolytic, 100uF 16WV	
C257	YESCC388	Electrolytic, 100uF 16WV	
C258	YESCC391	Electrolytic, 100uF 16WV	
C260	YESCC439	Ceramic, 0.1 μ F 25WV	
C261	YESCC439	Ceramic, 0.1 μ F 25WV	
C263	YESCC439	Ceramic, 0.1 μ F 25WV	
C264	YESCC524	Ceramic, 0.033 μ F 50WV	
C301	YESCC519	Ceramic, 470pF 50WV	
C302	YESCC519	Ceramic, 470pF 50WV	
C303	YESCC450	Ceramic, 0.047 μ F 25WV	
C305	YESCC450	Ceramic, 0.047 μ F 25WV	
C306	YESCC439	Ceramic, 0.1 μ F 25WV	
C351	YESCC390	Electrolytic, 220uF 10WV	
C352	YESCC390	Electrolytic, 220uF 10WV	

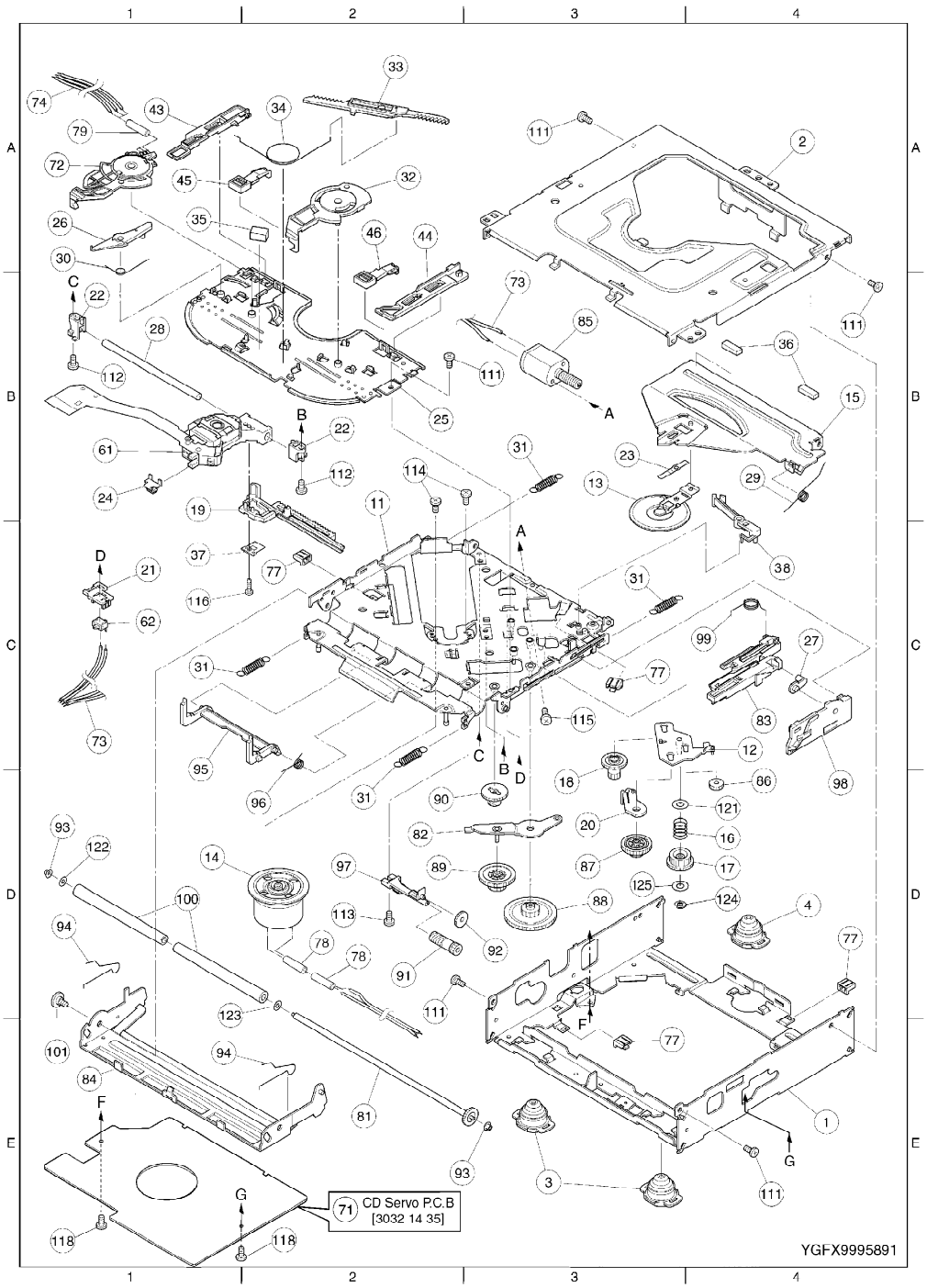
Ref. No.	Part No.	Part Name & Description	Remarks
C401	YESCC452	Ceramic, 1 μ F 16WV	
C403	YESCC453	Ceramic, 0.47 μ F 25WV	
C407	YESCC452	Ceramic, 1 μ F 16WV	
C408	YESCC453	Ceramic, 0.47 μ F 25WV	
C451	YESCC459	Electrolytic, 47 μ F 6.3WV	
C452	YESCC459	Electrolytic, 47 μ F 6.3WV	
C454	YESCC459	Electrolytic, 47 μ F 6.3WV	
C455	YESCC553	Electrolytic, 47uF 10WV	
RESISTORs			
L101	YESRG241	Chip, 0 Ω 1/8W	
L301	YESRG241	Chip, 0 Ω 1/8W	
L401	YESRG241	Chip, 0 Ω 1/8W	
L403	YESRG241	Chip, 0 Ω 1/8W	
R101	YESRG233	Chip, 47k Ω 1/10W	
R102	YESRG233	Chip, 47k Ω 1/10W	
R103	YESRG233	Chip, 47k Ω 1/10W	
R104	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R109	YESRG221	Chip, 100 Ω 1/10W	
R110	YESRG223	Chip, 10k Ω 1/10W	
R111	YESRG221	Chip, 100 Ω 1/10W	
R113	YESRG221	Chip, 100 Ω 1/10W	
R115	YESRG223	Chip, 10k Ω 1/10W	
R116	YESRG232	Chip, 4.7k Ω 1/10W	
R117	YESRG232	Chip, 4.7k Ω 1/10W	
R118	YESRG232	Chip, 4.7k Ω 1/10W	
R119	YESRG232	Chip, 4.7k Ω 1/10W	
R120	YESRG232	Chip, 4.7k Ω 1/10W	
R121	YESRG232	Chip, 4.7k Ω 1/10W	
R122	YESRG232	Chip, 4.7k Ω 1/10W	
R124	YESRG223	Chip, 10k Ω 1/10W	
R125	YESRG230	Chip, 3.3k Ω 1/10W	
R126	YESRG230	Chip, 3.3k Ω 1/10W	
R128	YESRG228	Chip, 22k Ω 1/10W	
R129	YESRG227	Chip, 2.2k Ω 1/10W	
R130	YESRG221	Chip, 100 Ω 1/10W	
R131	YESRG221	Chip, 100 Ω 1/10W	
R132	YESRG221	Chip, 100 Ω 1/10W	
R134	YESRG223	Chip, 10k Ω 1/10W	
R135	YESRG221	Chip, 100 Ω 1/10W	
R136	YESRG226	Chip, 220 Ω 1/10W	
R139	YESRG223	Chip, 10k Ω 1/10W	
R142	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R201	YESRG224	Chip, 100k Ω 1/10W	
R202	YESRG355	Chip, 1M Ω 1/10W	
R203	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R204	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R205	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R206	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R207	YESRG224	Chip, 100k Ω 1/10W	
R208	YESRG224	Chip, 100k Ω 1/10W	
R209	YESRG226	Chip, 220 Ω 1/10W	
R210	YESRG224	Chip, 100k Ω 1/10W	
R211	YESRG224	Chip, 100k Ω 1/10W	
R212	YESRG224	Chip, 100k Ω 1/10W	
R213	YESRG224	Chip, 100k Ω 1/10W	
R214	YESRG224	Chip, 100k Ω 1/10W	
R215	YESRG224	Chip, 100k Ω 1/10W	
R217	YESRG237	Chip, 5.6k Ω 1/10W	
R218	YESRG357	Chip, 150k Ω 1/10W	
R219	YESRG233	Chip, 47k Ω 1/10W	
R221	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R222	YESRG356	Chip, 15k Ω 1/10W	
R223	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R224	YESRG228	Chip, 22k Ω 1/10W	
R225	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R226	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R229	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R231	YESRG234	Chip, 4.7 Ω 1/10W	
R232	YESRG223	Chip, 10k Ω 1/10W	
R233	YESRG228	Chip, 22k Ω 1/10W	
R241	YESRG229	Chip, 330 Ω 1/10W	
R242	YESRG233	Chip, 47k Ω 1/10W	
R243	YESRG229	Chip, 330 Ω 1/10W	
R244	YESRG233	Chip, 47k Ω 1/10W	
R245	YESRG224	Chip, 100k Ω 1/10W	
R246	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R247	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R248	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R249	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R250	YESRG229	Chip, 330 Ω 1/10W	
R253	YESRG222	Chip, 1k Ω 1/10W	
R254	YESRG222	Chip, 1k Ω 1/10W	
R301	YESRG230	Chip, 3.3k Ω 1/10W	
R302	YESRG227	Chip, 2.2k Ω 1/10W	
R303	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R304	YESRG230	Chip, 3.3k Ω 1/10W	
R305	YESRG223	Chip, 10k Ω 1/10W	
R306	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R307	YESRG230	Chip, 3.3k Ω 1/10W	
R308	YESRG227	Chip, 2.2k Ω 1/10W	
R309	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R310	YESRG230	Chip, 3.3k Ω 1/10W	
R311	YESRG227	Chip, 2.2k Ω 1/10W	
R312	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R314	YESRG356	Chip, 15k Ω 1/10W	
R324	YESRG223	Chip, 10k Ω 1/10W	
R325	YESRG223	Chip, 10k Ω 1/10W	
R326	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
CONNECTORs			
CN101	YESAE409	Connector, 18P	
CN102	YESAE350	Connector, 16P	
COILs			
L201	YESLQ036	Inductor	
L202	YESLQ036	Inductor	
L402	YESLQ011	Inductor	
CRYSTALs			
X101	YESXL033	Crystal	
X201	YESXL018	Crystal	
MECAHNICAL PARTS			
MISCELLANEOUS			
1	YESFX046136	Frame	
2	YESFX046137	Top Cover	
3	YERFS04003	Damper F	
4	YERFS04004	Damper R	
11	YESFA01075	Chassis Rivet Ass'y	
12	YERFX046001	Change Plate Rivet Ass'y	
13	YERFX007001	Clamper Ass'y	
14	YESAK01047	Spindle Motor Ass'y	
15	YERFX046002	Clamper Arm	
16	YERFX005001	Change Gear Spring	
17	YERFX03001	Change Gear 2	
18	YERFX03002	Feed Gear	
19	YERFX03003	Feed Rack	
20	YERFX046003	Changer Lock Lever	
21	YERFW04001	Feed Switch Holder	
22	YERFW04002	Pick-up Shaft Holder	
23	YERFX005002	Clamper Sub Spring	
24	YERFW04003	FD Sub Holder	
25	YESFX046139	Top Plate	
26	YERFX046004	Select Lock Arm	
27	YERFX046006	Slide Hook	
28	YERFW01001	Pick-up Shaft	
29	YERFX005003	Clamper Arm Spring	
30	YERFX005004	Select Lock Arm Spring	
31	YERFX005013	Suspension Spring	
32	YESFX046140	Select Arm R	
33	YERFX03004	Link Plate	
34	YESFX005137	Link Plate Spring	
35	YERFS01001	Cushion F	
36	YERFS01002	Cushion R	
37	YERFX005014	Feed Spring Plate	
38	YERFX046005	Trigger Arm	
43	YERFX046008	Select Plate L	
44	YERFX046009	Select Plate R	

Ref. No.	Part No.	Part Name & Description	Remarks
45	YERFX046010	Select Piece R	
46	YERFX046011	Select Piece L	
61	YESSZ1099WM	Optical Pick-up Ass'y	
62	YERAS0001	Detection Switch	
71	YESAP469	Servo PC Board w/component	RTL
72	YESFX046176	Mode Switch	
73	YESAJ07014	Loding Motor Wire	
74	YESAJ07015	Mode Switch Wire	
77	YERFX999001	Wire Clamper M	
78	YESFX024021	WIRE TUBE SPM	
79	YESFX024022	Wire Tube MSW	
81	YERFX03005	Roller Shaft Ass'y	
82	YERFX046012	Loading Gear Plate Rivet Ass'y	
83	YERFX046013	Loading Plate Ass'y	
84	YESFX046173	Lock Arm Rivet Ass'y	
85	YESAK01042	Loading/Feed Motor Ass'y	
86	YERFX03006	Loading Gear 1	
87	YERFX03007	Loading Gear 2	
88	YERFX03008	Loading Gear 3	
89	YERFX03009	Loading Gear 4	
90	YERFX03010	Loading Gear 5	
91	YERFX03011	Loading Gear 6	
92	YERFX03012	Loading Gear 7	
93	YESFW05023	Roller Guide	
94	YERFX005007	Roller Guide Spring	
95	YERFX046015	Disc Stopper Arm	
96	YERFX005008	Disc Stop Arm Spring	
97	YERFX046016	LD Gear Bracket	
98	YESFX046174	L Slide Plate	
99	YERFX005009	Loading Plate Spring	
100	YESFX046150	Loading Roller	
101	YESJS01175	Collar Screw	
111	YERJT01001	Tapping Screw 2*3	
112	YERJT01002	Tapping Screw 2*4	
113	YEJT03117	Tapping Bind Screw, 2*4	
114	YERJS01002	Camera Screw, 1.7*1.8	
115	YERJS01003	Camera Screw, 2*2	
116	YERJS01004	Camera Tapping Screw, 1.7*5	
118	YESJS01148	Screw, 2*4	
121	YERJW01001	P Washer, 3.5*8*0.3	
122	YERJW01002	HL Washer, 1.85*5*0.13	
123	YERJW01003	Lumilar Washer, 3.1*6*0.1	
124	YEJE01028	E-Ring S 1.5	
125	YERJW01005	P Washer, 2.1*4*0.13	

15. EXPLODED VIEW (CD PLAYER)



16. WIRING DIAGRAM

16.1. Main Block (Top View)

16.2. Main Block (Bottom View)

16.3. Display Block

16.4. DC-DC Block

16.5. CD Servo Block (Top View)

16.6. CD Servo Block (Bottom View)

17. SCHEMATIC DIAGRAM-1

17.1. DC-DC Block

18. SCHEMATIC DIAGRAM-2

18.1. Main Block-1

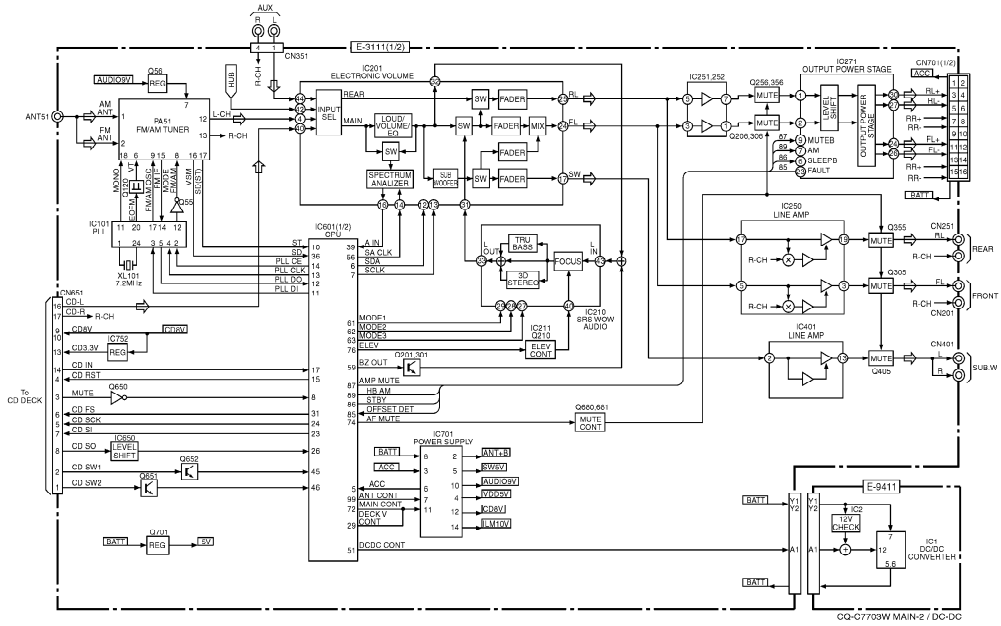
18.2. Main Block-2

18.3. Display Block

18.4. CD Servo Block

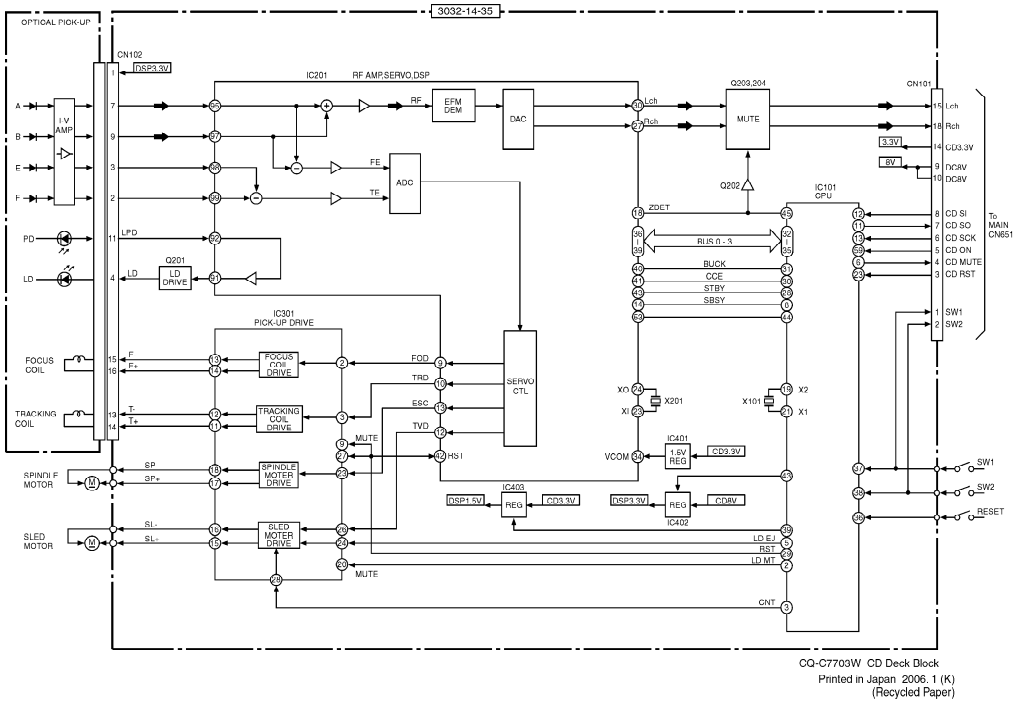
19. BLOCK DIAGRAM

19.1. Main Block-1



19.2. Main-2/ Display Block

19.3. CD Servo Block



20. SCHEMATIC DIAGRAM for Printing with A4 Size

20.1. Main Block-1 (Left Side)

20.2. Main Block-1 (Right Side)

20.3. Main Block-2 (Left Side)

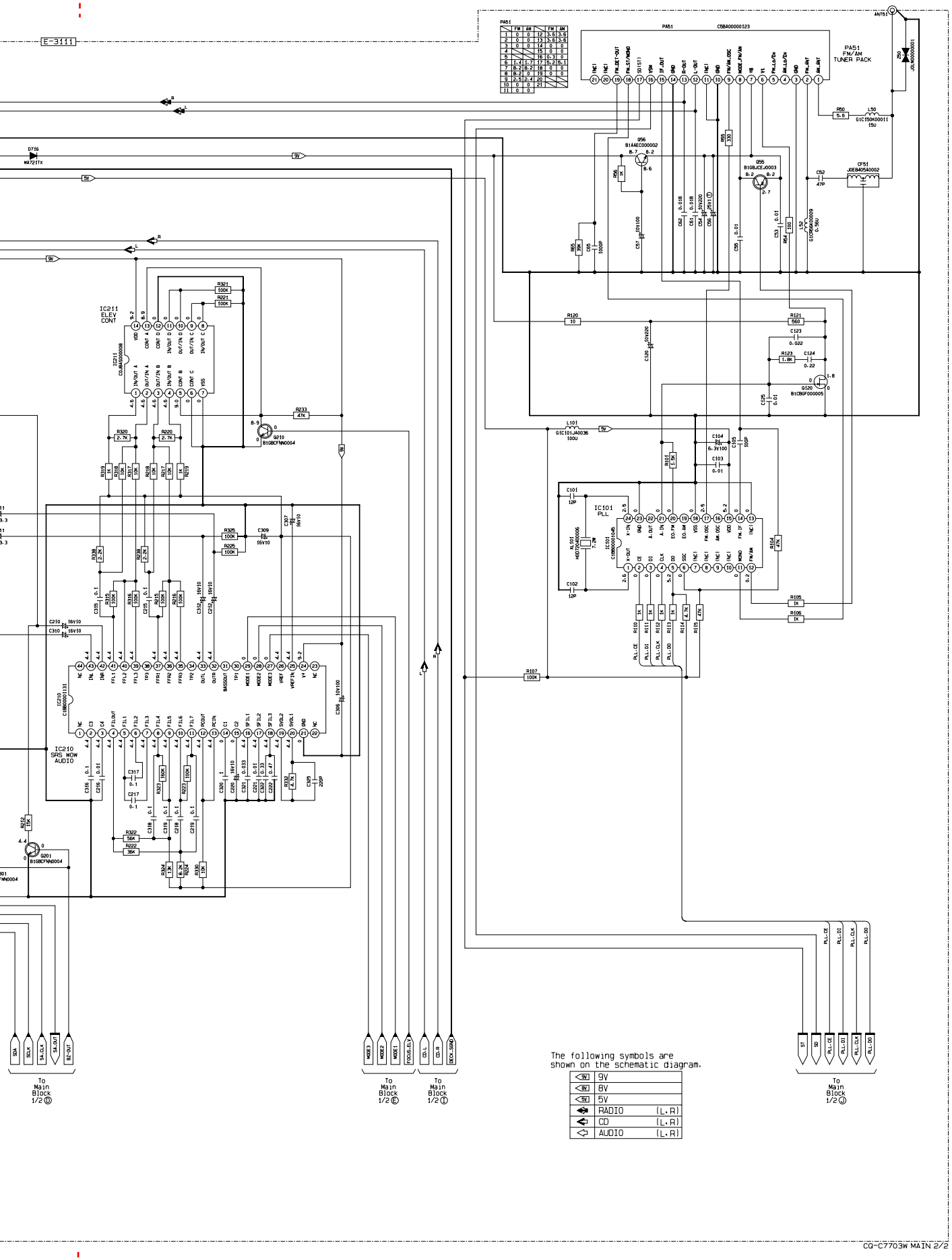
20.4. Main Block-2 (Right Side)

20.5. Display Block (Left Side)

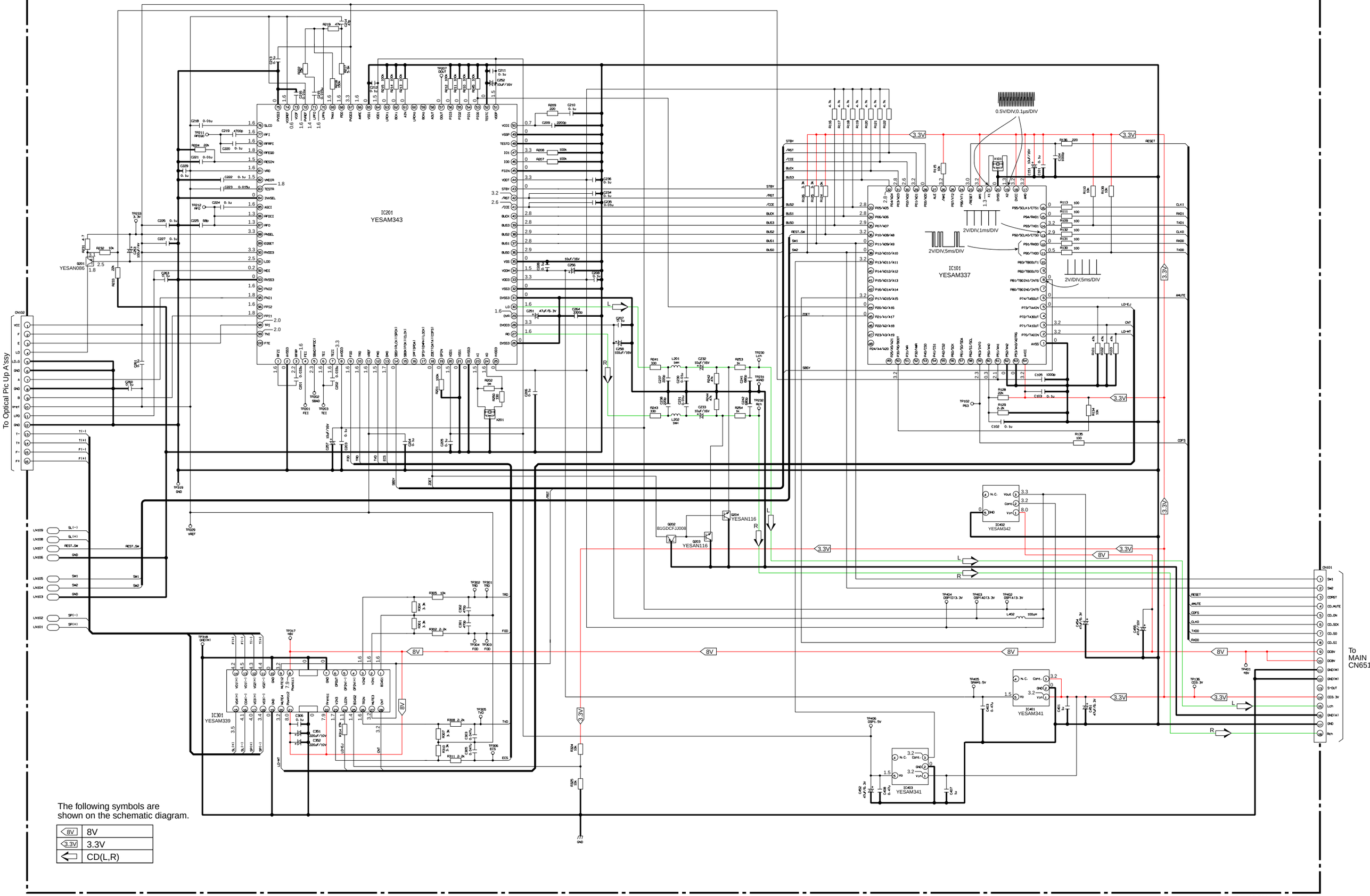
20.6. Display Block (Right Side)

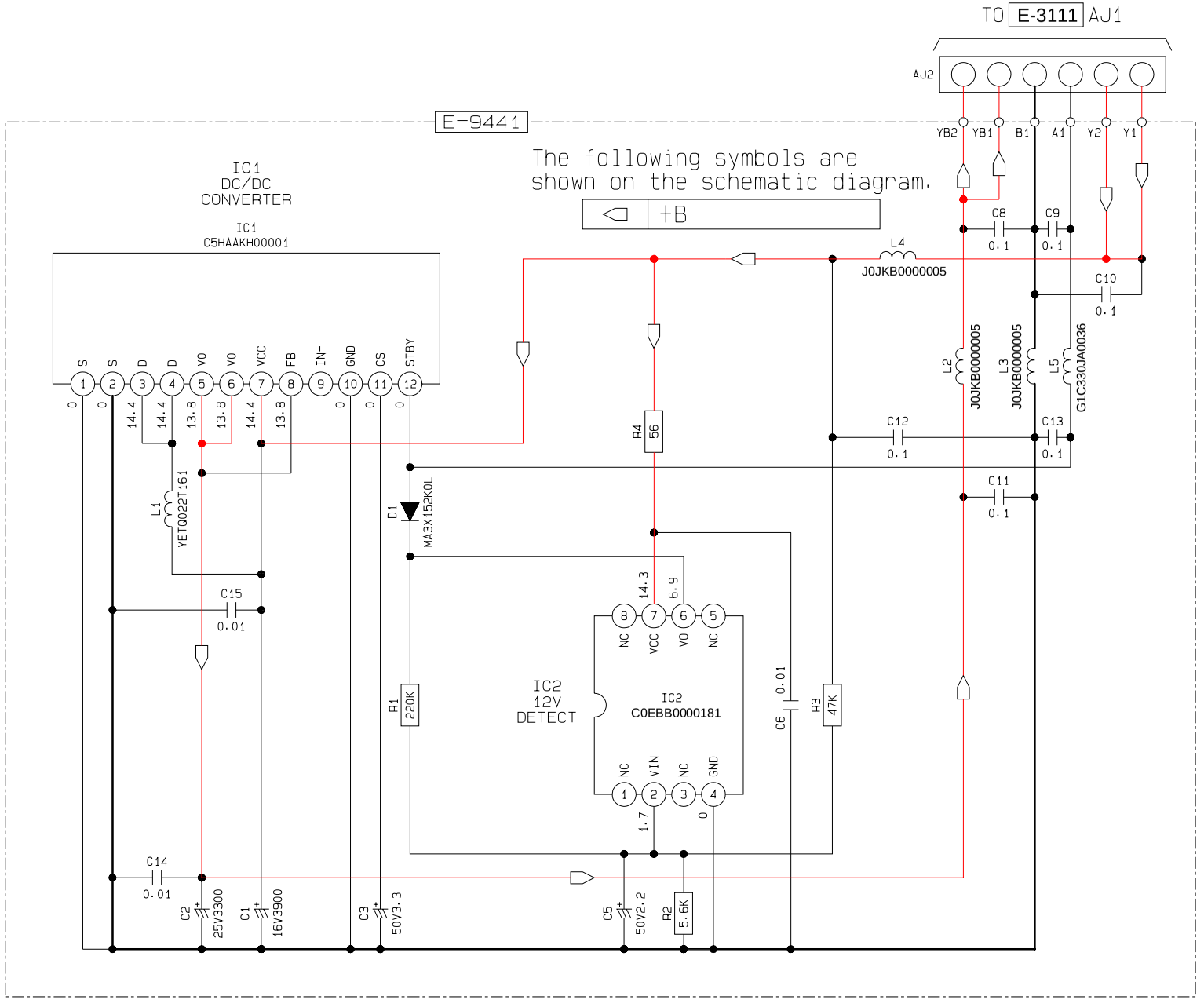
20.7. CD Servo Block (Left Side)

20.8. CD Servo Block (Right Side)



CQ-C7703W MAIN 2/2


IC201
YESAM343
IC101
YESAM337
IC301
YESAM339
IC401
YESAM341
IC402
YESAM342
IC403
YESAM341
Q201
YESAN086
Q202
B1GDCFJ1008
Q203
YESAN116
Q204
YESAN116
X101
X201
CN103
CN101
To Optical Pic Up A'ssy
To MAIN CN651
0.5V/DIV,0.1μs/DIV
2V/DIV,1ms/DIV
2V/DIV,5ms/DIV
2V/DIV,5ms/DIV
3.3V
8V
L
R
RESET
AMUTE
CDFS
CD-MUTE
CD-ON
CLKO
CD-SCK
TXDO
RXDO
CD-SI
DCBV
GND(M)
S-OUT
CD3.3V
Lch
GND(A)
GND
Rch
SW1
SW2
REST-SW
SL(+)
SL(-)
SPI(+)
SPI(-)
CLK1
RXD1
TXD1
CLK0
RXDO
TXDO
AMUTE
LD-EJ
CNT
LD-MT
CDFS
The following symbols are shown on the schematic diagram.
8V
3.3V
CD(L,R)


TO E-3111 AJ1
AJ2
YB2
YB1
B1
A1
Y2
Y1
E-9441
The following symbols are shown on the schematic diagram.
+B
IC1
DC/DC
CONVERTER
IC1
C5HAAKH00001
S
S
D
D
VO
VO
VCC
FB
IN-
GND
CS
STBY
L4
J0JKB0000005
C8
C9
C10
0.1
L2
J0JKB0000005
L3
J0JKB0000005
L5
G1C330JA0036
C12
C13
C11
R4
56
L1
YETO022T161
D1
MA3X152KOL
C15
0.01
IC2
12V
DETECT
IC2
C0EBB0000181
NC
VCC
VO
NC
VIN
GND
R1
220K
R3
47K
C6
0.01
C14
C2
25V3300
C1
16V3900
C3
50V3.3
C5
50V2.2
R2
5.6K

The following symbols are shown on the schematic diagram.

<10V	10V
<5V	5V
<3.3V	3.3V

E-9782a

E-9782b

IC901 C3FBMD000236 FLASH MEMORY

IC900 C2CBJH000133 DISPLAY CONTROL

IC902 RESET C0E6P0005714

IC903 B3FBR0000054 IR RECEIVE

SW901 K9AA2A40013

SW902-SW903-KOH(BA000445
SW905-SW914-KOH(BA000445

ROTARY.1(VOL UP)
ROTARY.2(VOL DOWN)

SUB.SI/UP.SO
SUB.SO/UP.SI

FLASH.CE
LCD.CS
LED.R
VLCD.CONT
FLASH.OE/LCD.RD
LCD.WR
FLASH.WE
LCD.RESET
FLASH.RY/BY
/RST

LED.B
LED.G
LED.R

TO E-3111 CN601

To LCD901

CG-C7703W
DISP

E-3111

IC790 REG

IC701 POWER SUPPLY

IC752 REG

IC650 LEVEL SHIFT

IC271 POWER AMP

IC730 REG

IC760 MOTOR DRIVE

IC755 REG

IC670 INVERTER

IC702 BATT DETECT, RESET

IC630 LEVEL SHIFT

IC601 CPU

IC901

To Main Block 2/2 (A)

To Main Block 2/2 (B)

To Main Block 2/2 (C)

To Main Block 2/2 (D)

To Main Block 2/2 (E)

To Main Block 2/2 (F)

To Main Block 2/2 (G)

To Main Block 2/2 (H)

To Main Block 2/2 (I)

To Main Block 2/2 (J)

TO E-9441 A/J2

TO 3032-14-35 CN101

To Drive Mechanism Ass'y

TO E-9782a CN901

The following symbols are shown on the schematic diagram.

+B		5V	
ACC		3.3V	
10V		CD	[L,R]
9V		AUDIO	[L,R]
8V			

CQ-C7703W
MAIN 1/2

E-3111

PRE-OUT FRONT
PRE-OUT REAR
S.W-OUT
AUX1-IN

To Main Block 2/2 (H)
To Main Block 2/2 (B)
To Main Block 1/2 (G)
To Main Block 1/2 (A)
To Main Block 1/2 (E)
To Main Block 1/2 (D)
To Main Block 1/2 (C)
To Main Block 1/2 (I)
To Main Block 1/2 (J)

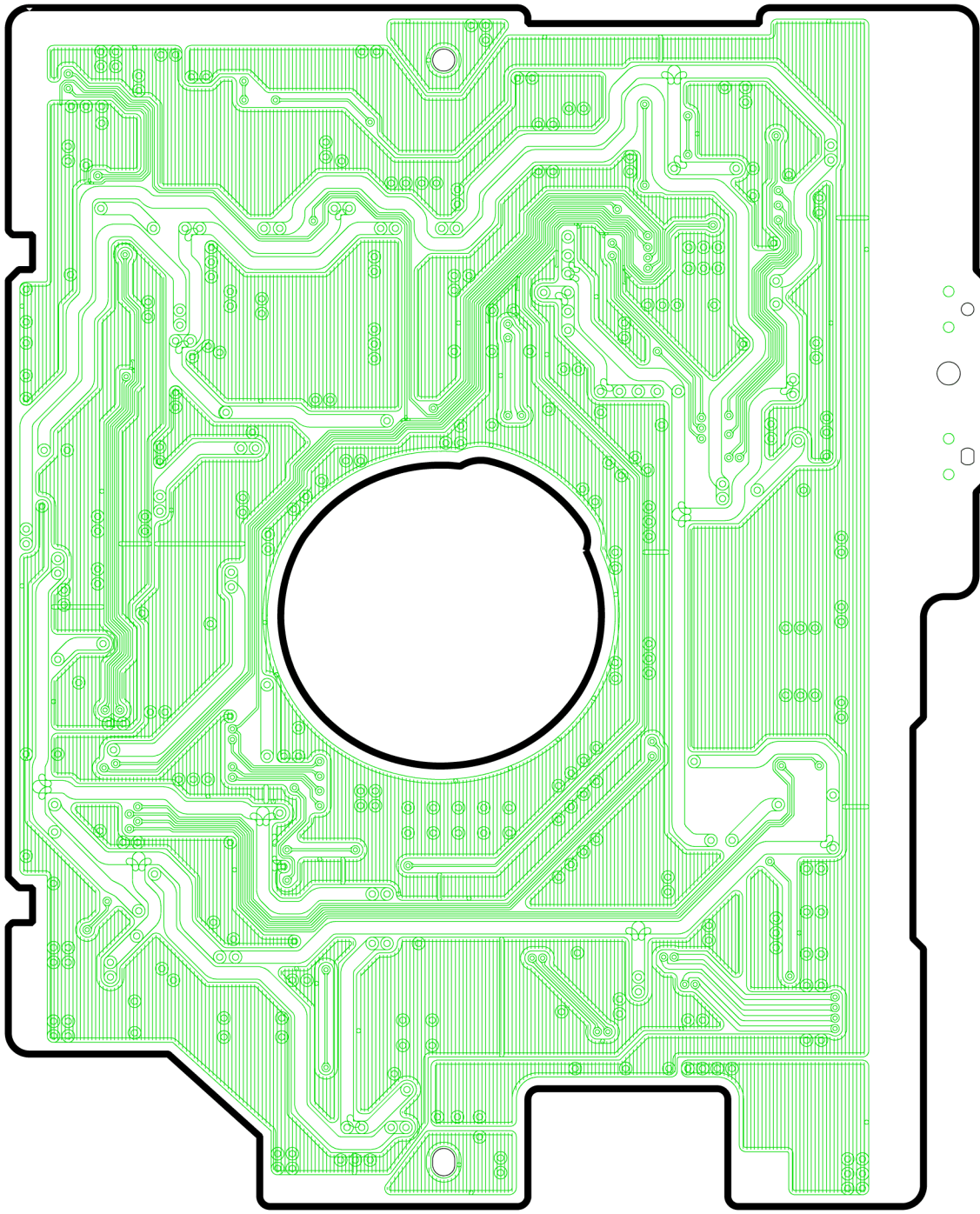
IC401 LINE AMP
IC201 LINE AMP
IC201 ELECTRONIC VOLUME
IC201 C1BB000000796
IC211 ELEV CONT
IC210 SRS WOW AUDIO
IC101 PLL
IC251 BUFFER
IC252 BUFFER
PA51 FM/AM TUNER PACK

PA51	FM	AM
1	0	0
2	0	0
3	0	1
4	/	/
5	/	/
6	1	1
7	0	0
8	0	0
9	0	0
10	0	0
11	0	0

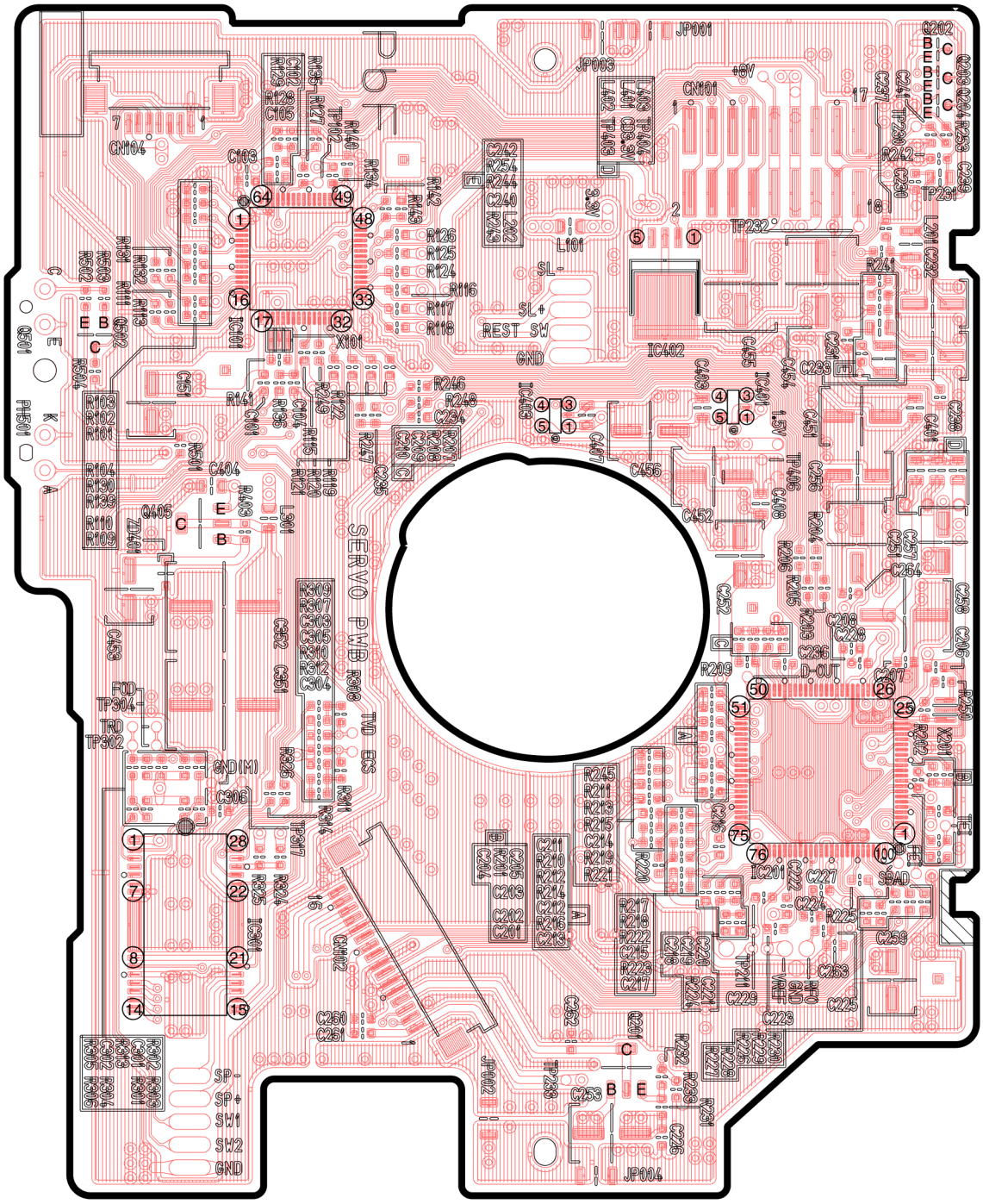
FM	AM	FM	AM
0	0	12	3-6
0	0	13	3-6
0	1	14	0
1	0	15	0
/	/	16	0-3
1	1	17	0-3
0	0	18	0
0	0	19	0
0	0	20	0
0	0	21	/

The following symbols are shown on the schematic diagram.

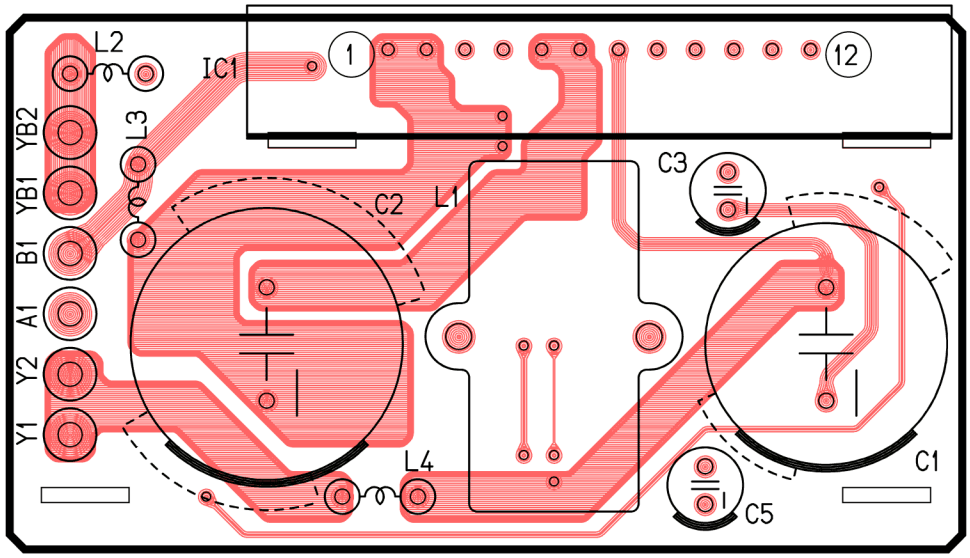
9V	9V
8V	8V
5V	5V
RADIO	(L,R)
CD	(L,R)
AUDIO	(L,R)



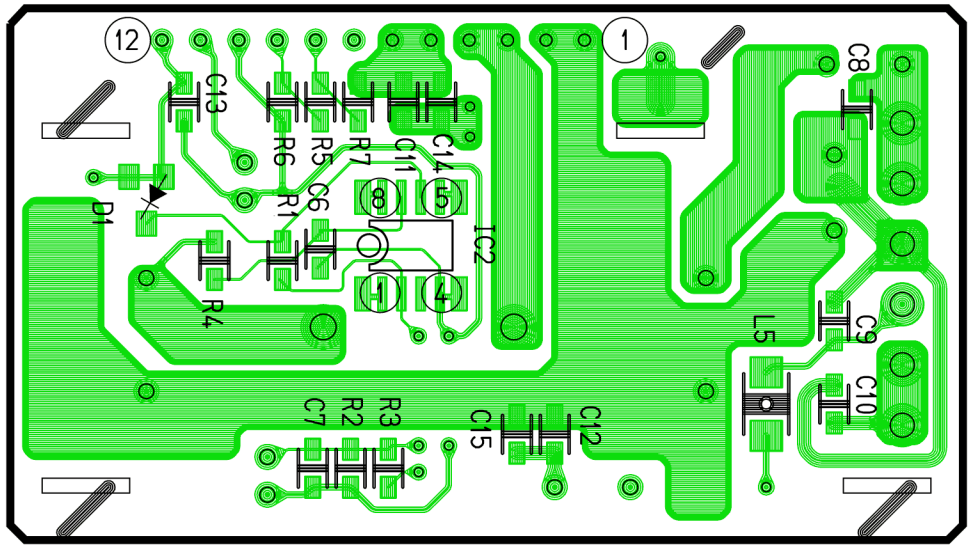
[3032-14-35] [Bottom VIEW]



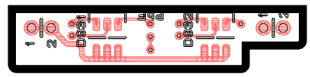
[3032-14-35] [Top VIEW]



[E-9441][Top View]

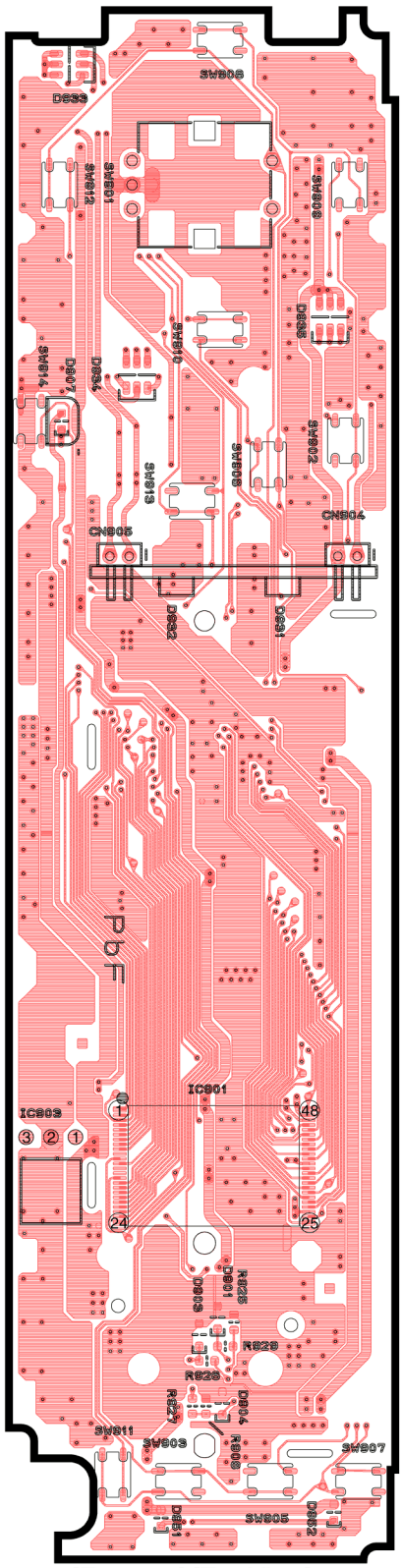


[E-9441][Bottom View]

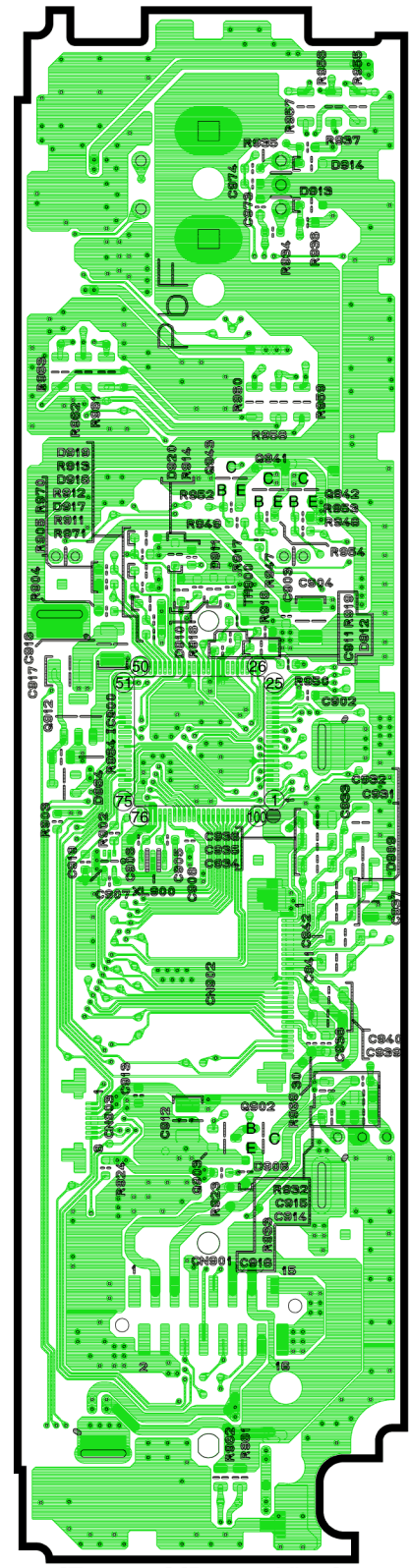


[E-9782b] [Top View]

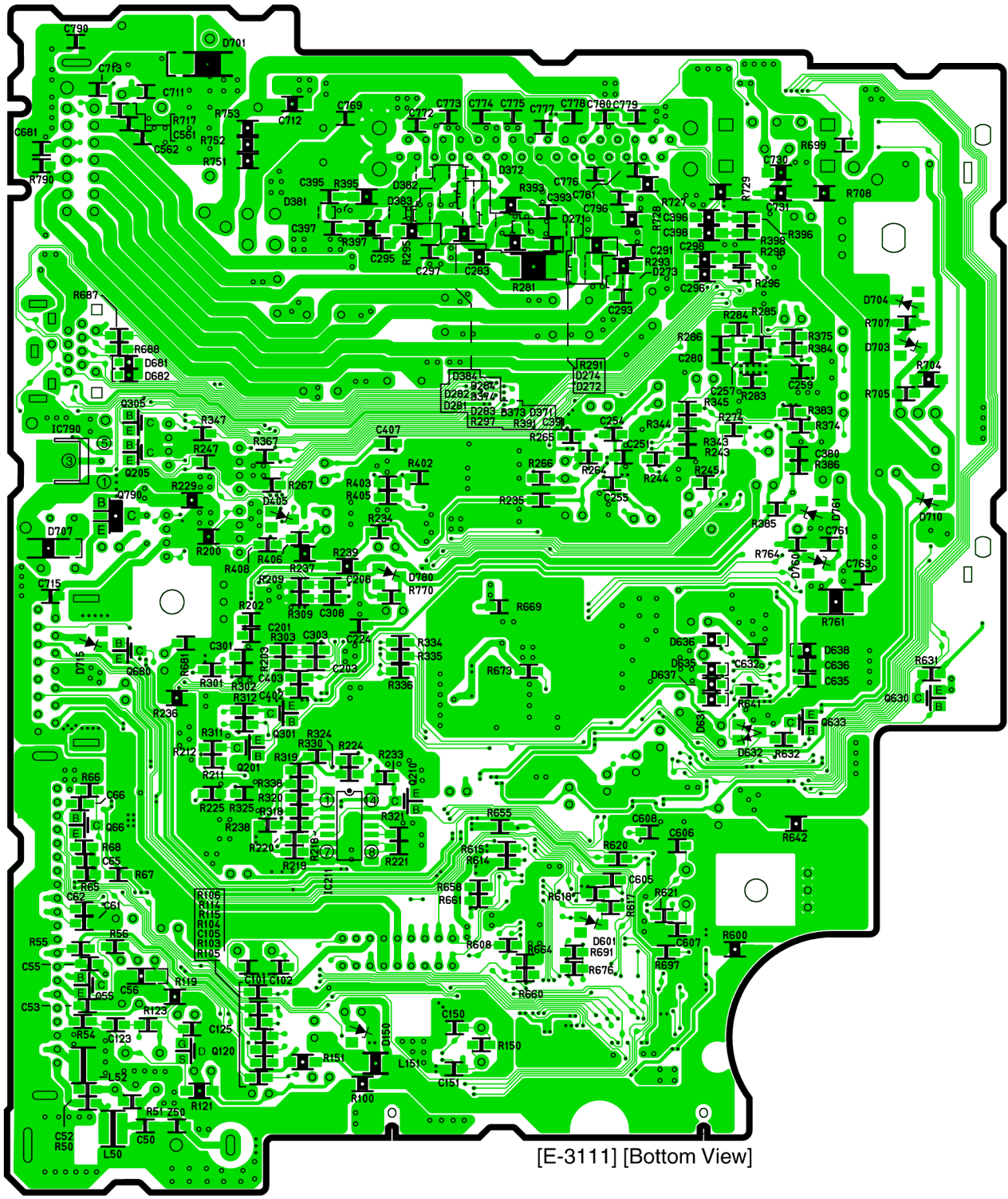
[E-9782b] [Bottom View]



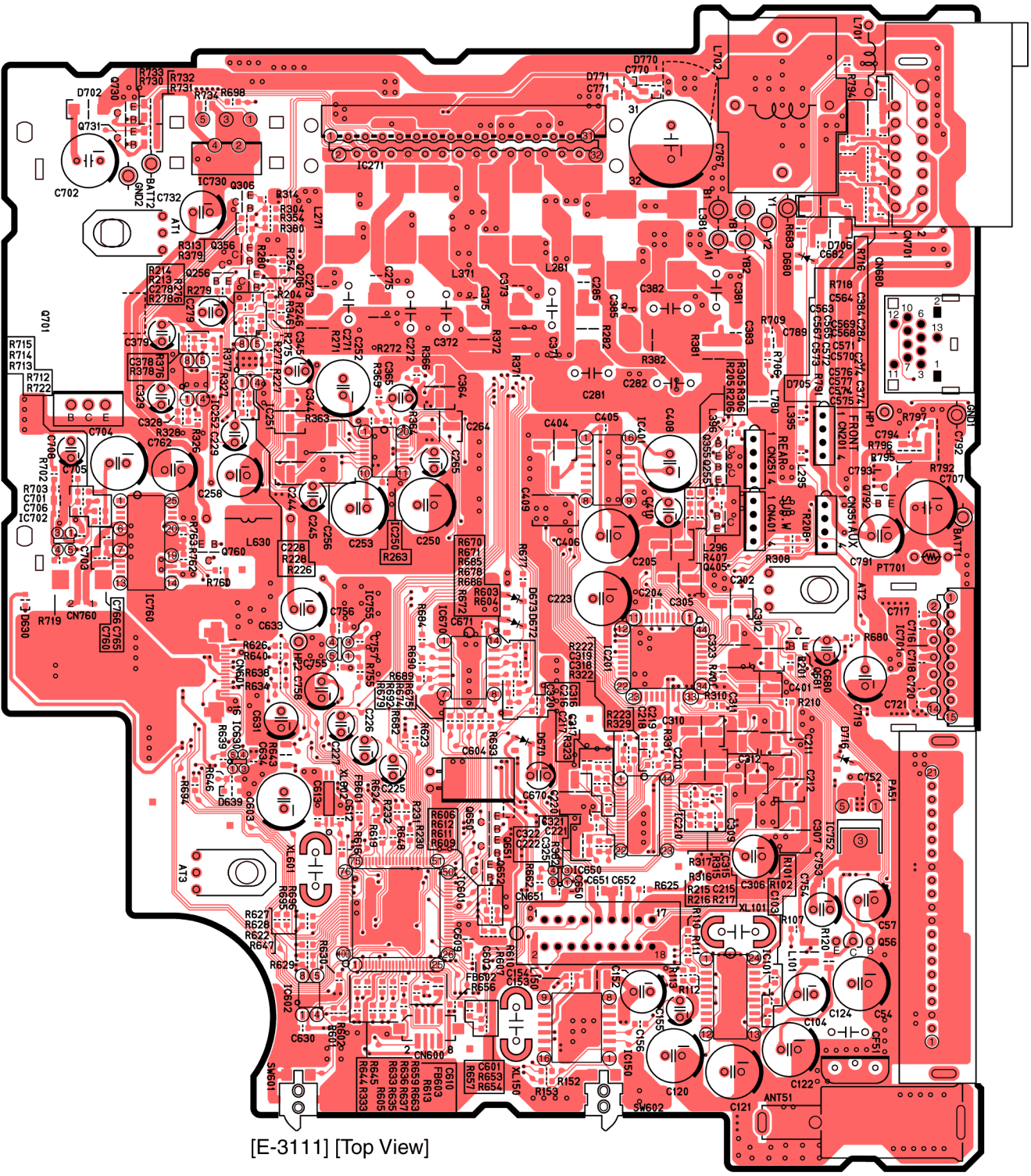
[E-9782a] [Top View]



[E-9782a] [Bottom View]



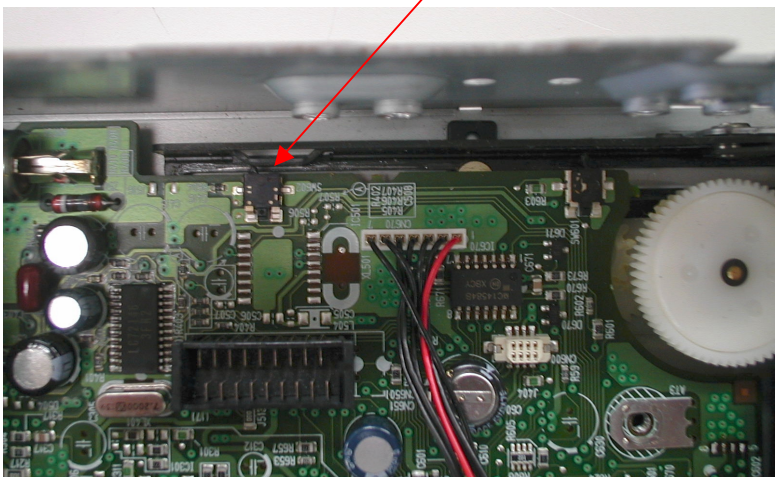
[E-3111] [Bottom View]



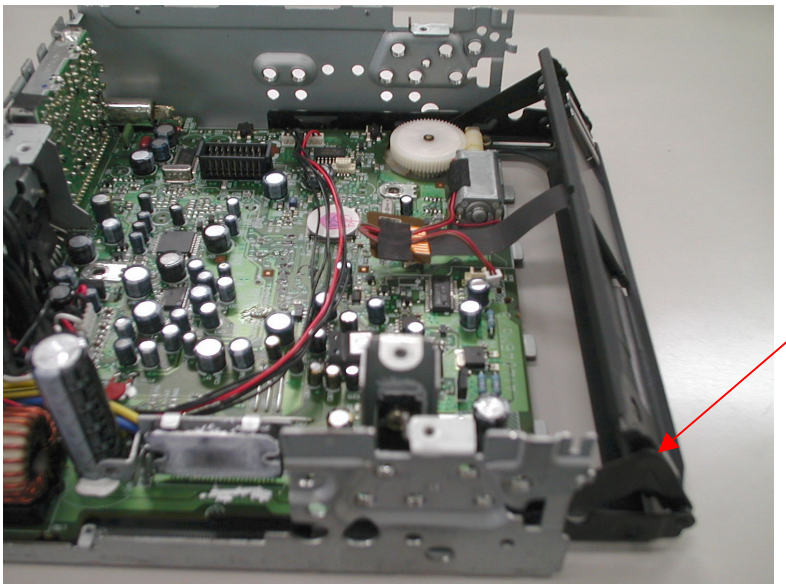
[E-3111] [Top View]

Please install as shown below in order to prevent damages on the end detection switch of the slide mechanism.

If the main P.C.B is installed when the slide mechanism is not moved forward, the switch will hit the metal part and will be damaged.

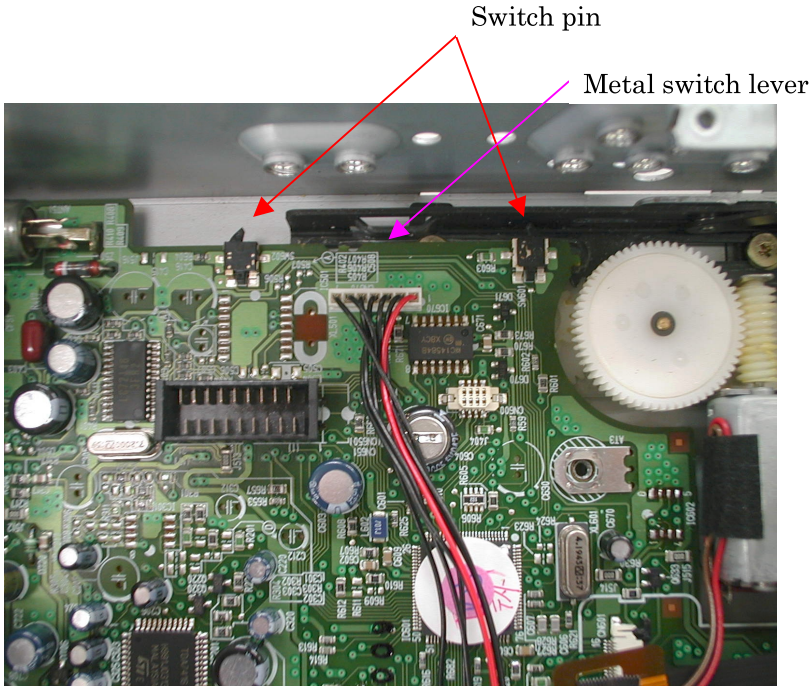


Move the front side by hand and install the main P.C.B. to the chassis when it is tilted 45 degrees.



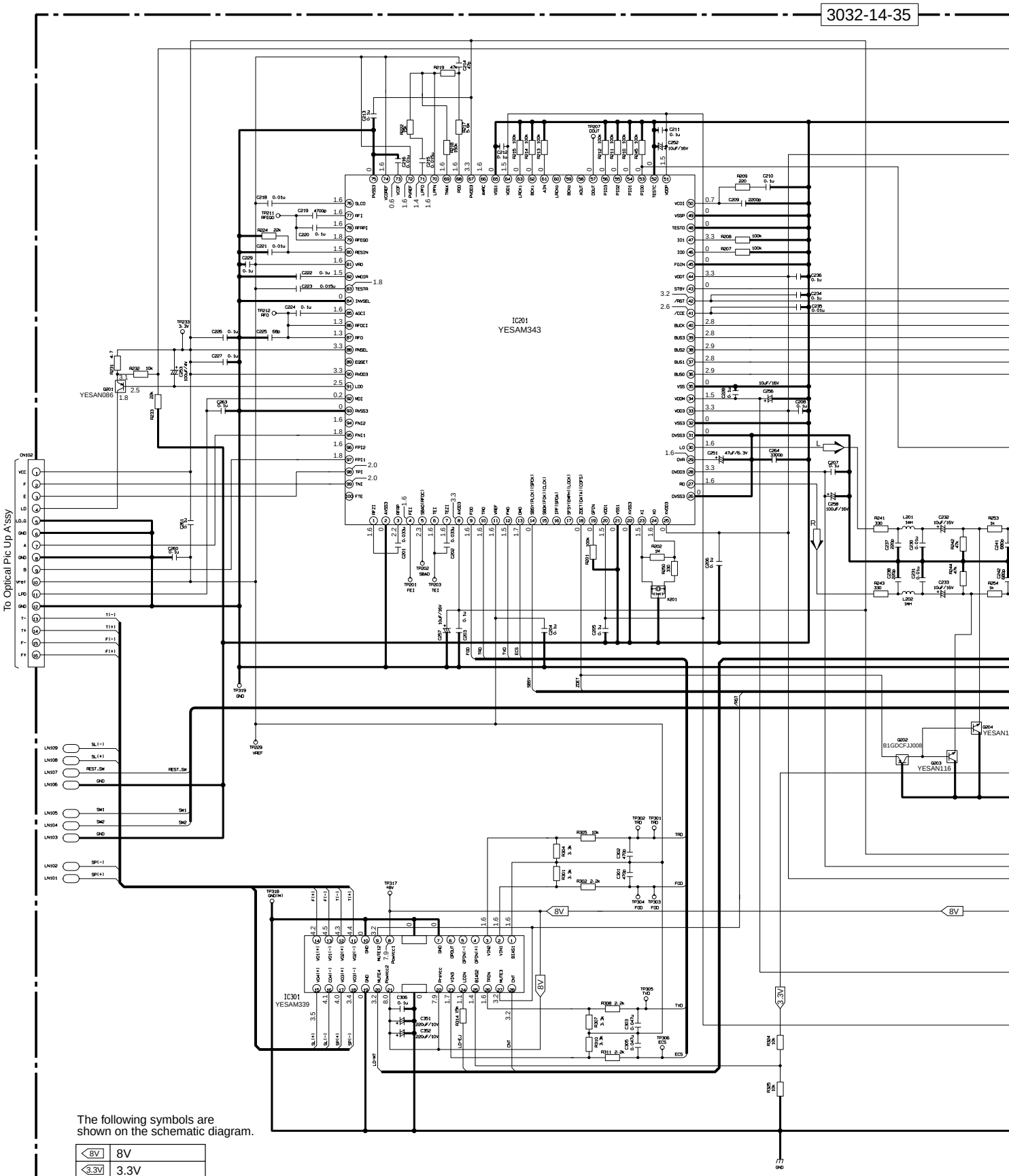
When tilted 45 degrees

If the front side is tilted 45 degrees, the movable metal lever will not cling onto the switch pin.



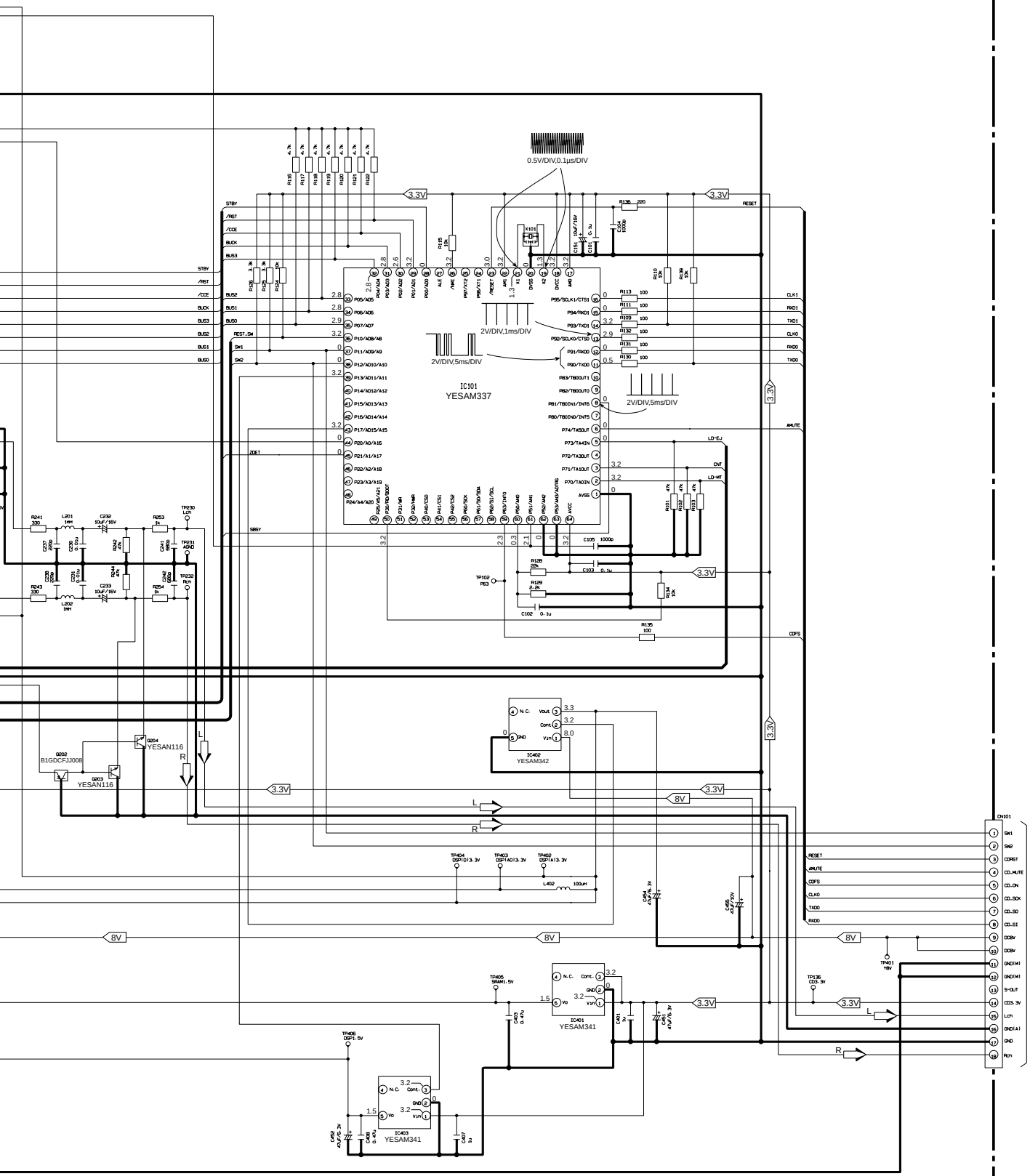
18.4. CD Servo Block

3032-14-35

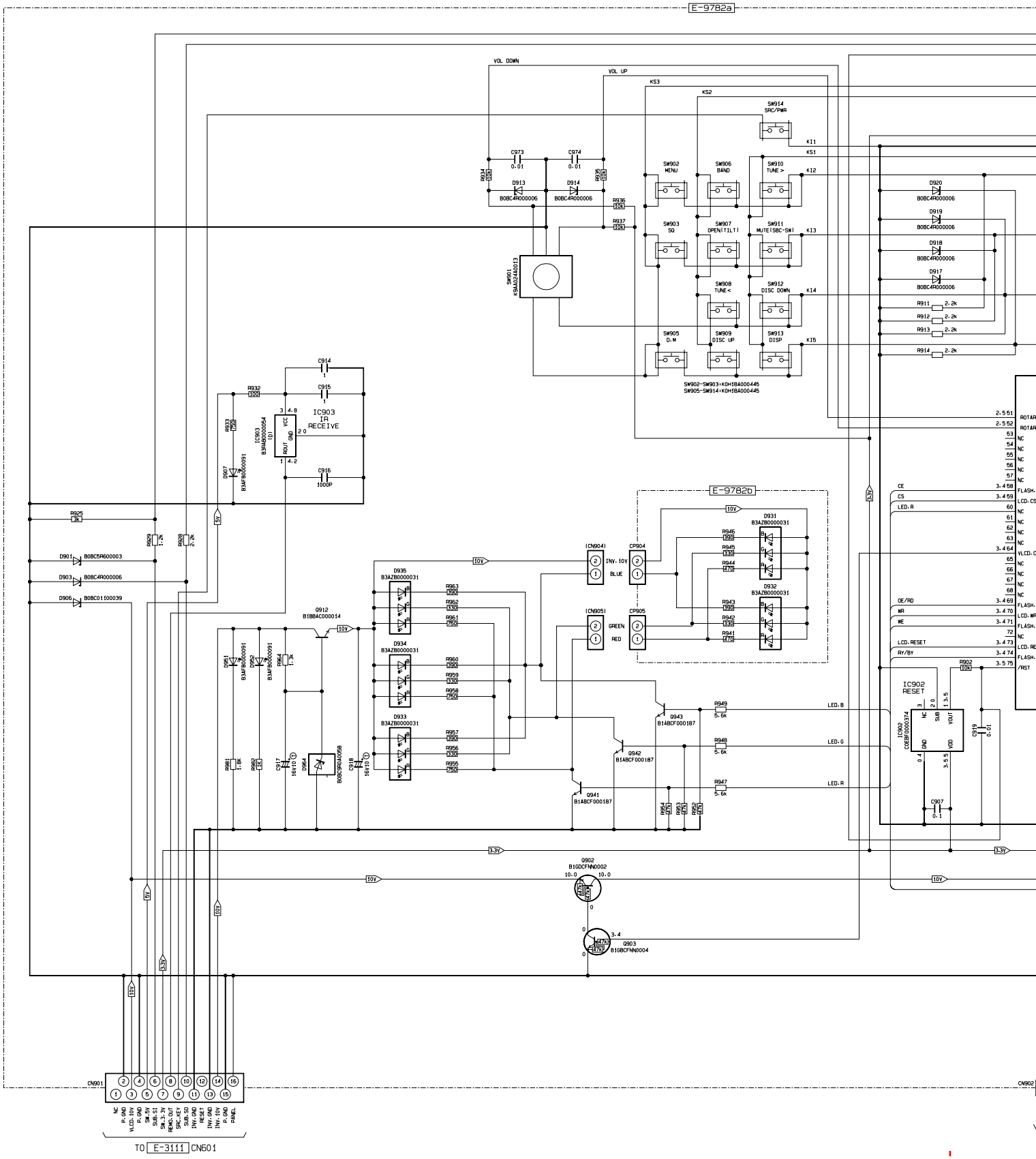


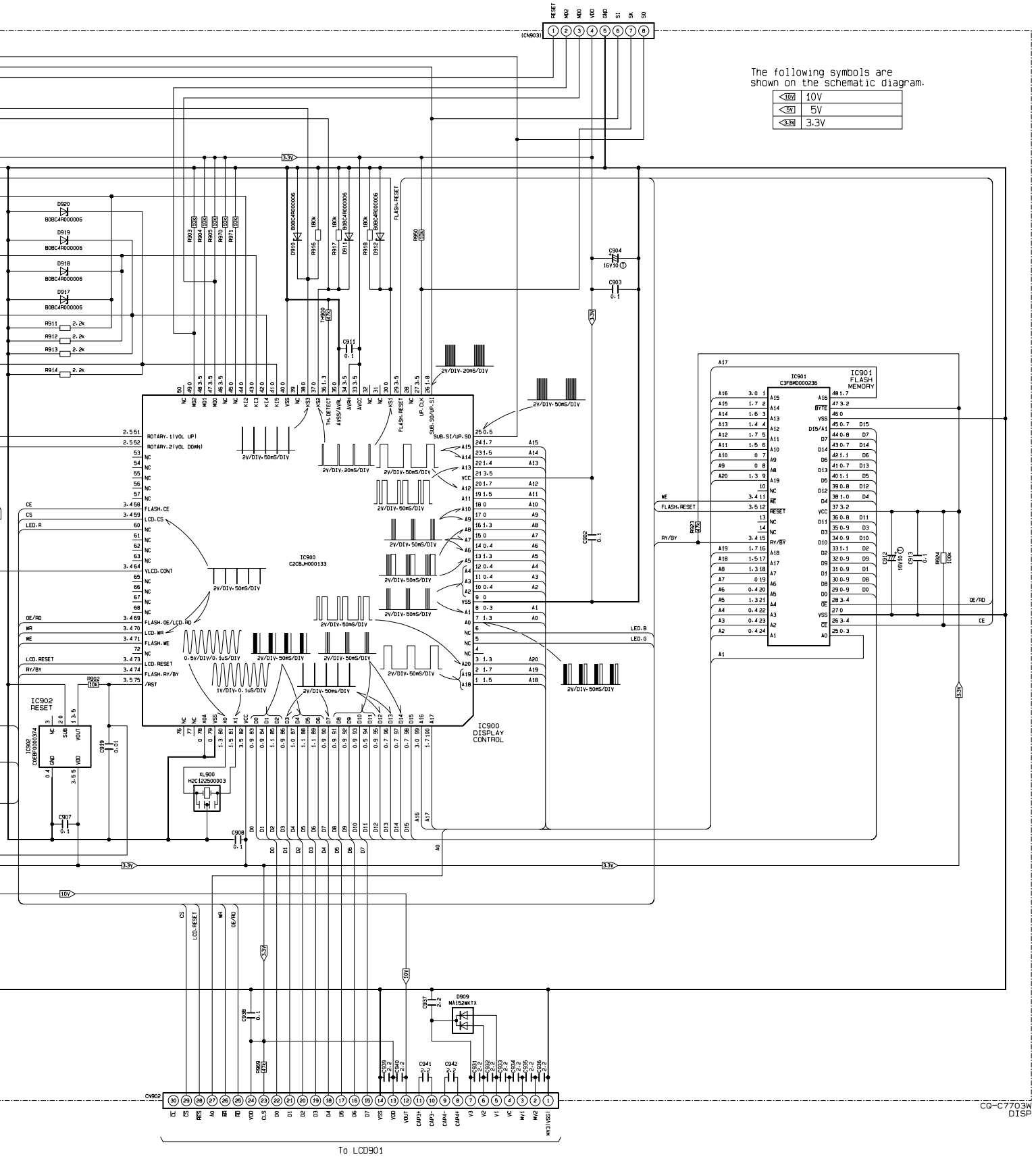
The following symbols are shown on the schematic diagram.

8V	8V
3.3V	3.3V
	CD(L,R)


IC101
YESAM337
IC402
YESAM342
IC401
YESAM341
IC403
YESAM341
Q202
B1GDCFJJ008
Q203
YESAN116
Q204
YESAN116
0.5V/DIV,0.1µs/DIV
2V/DIV,1ms/DIV
2V/DIV,5ms/DIV
2V/DIV,5ms/DIV
3.3V
8V
CN101
To
MAIN
CN651

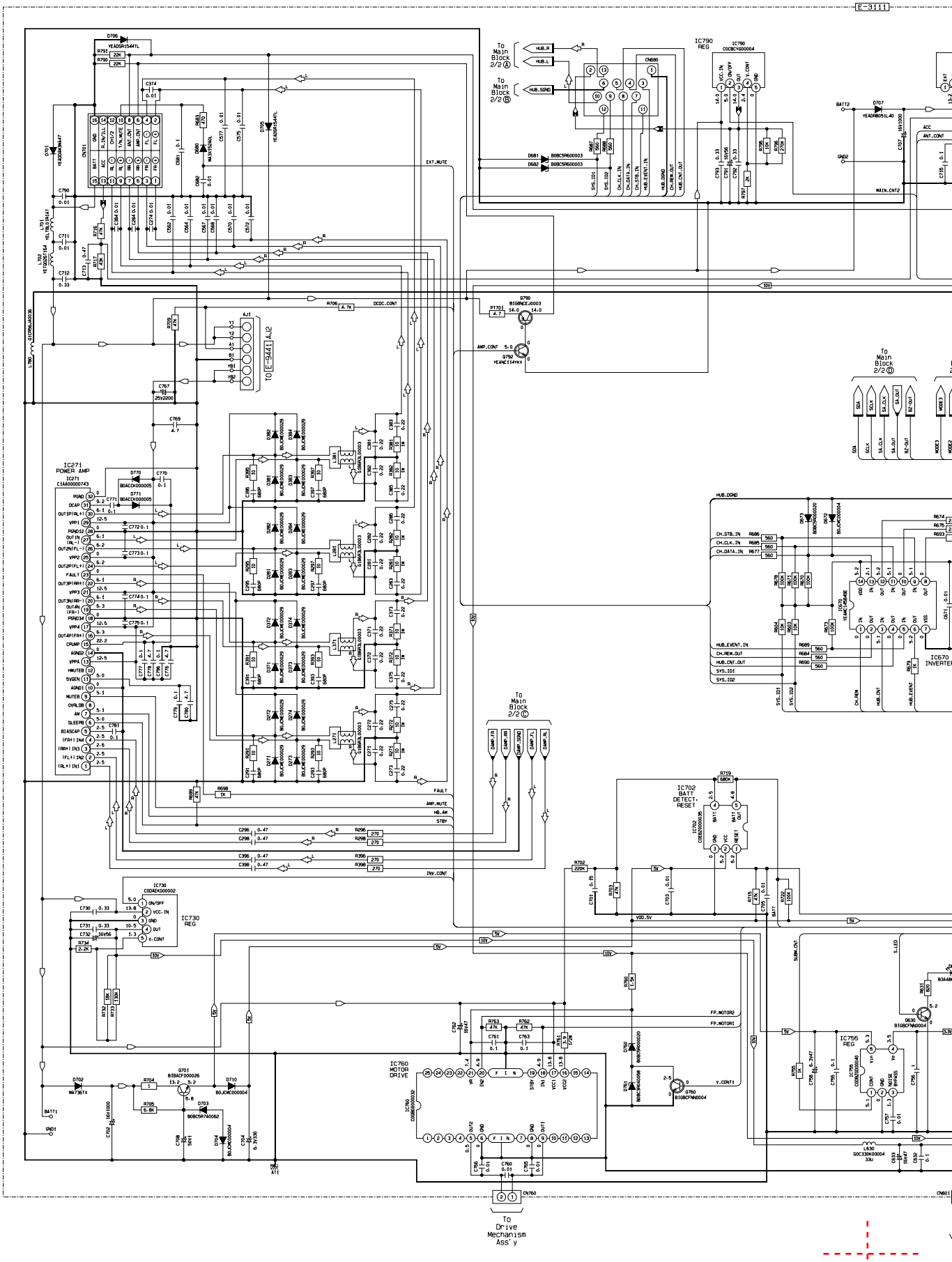
18.3. Display Block

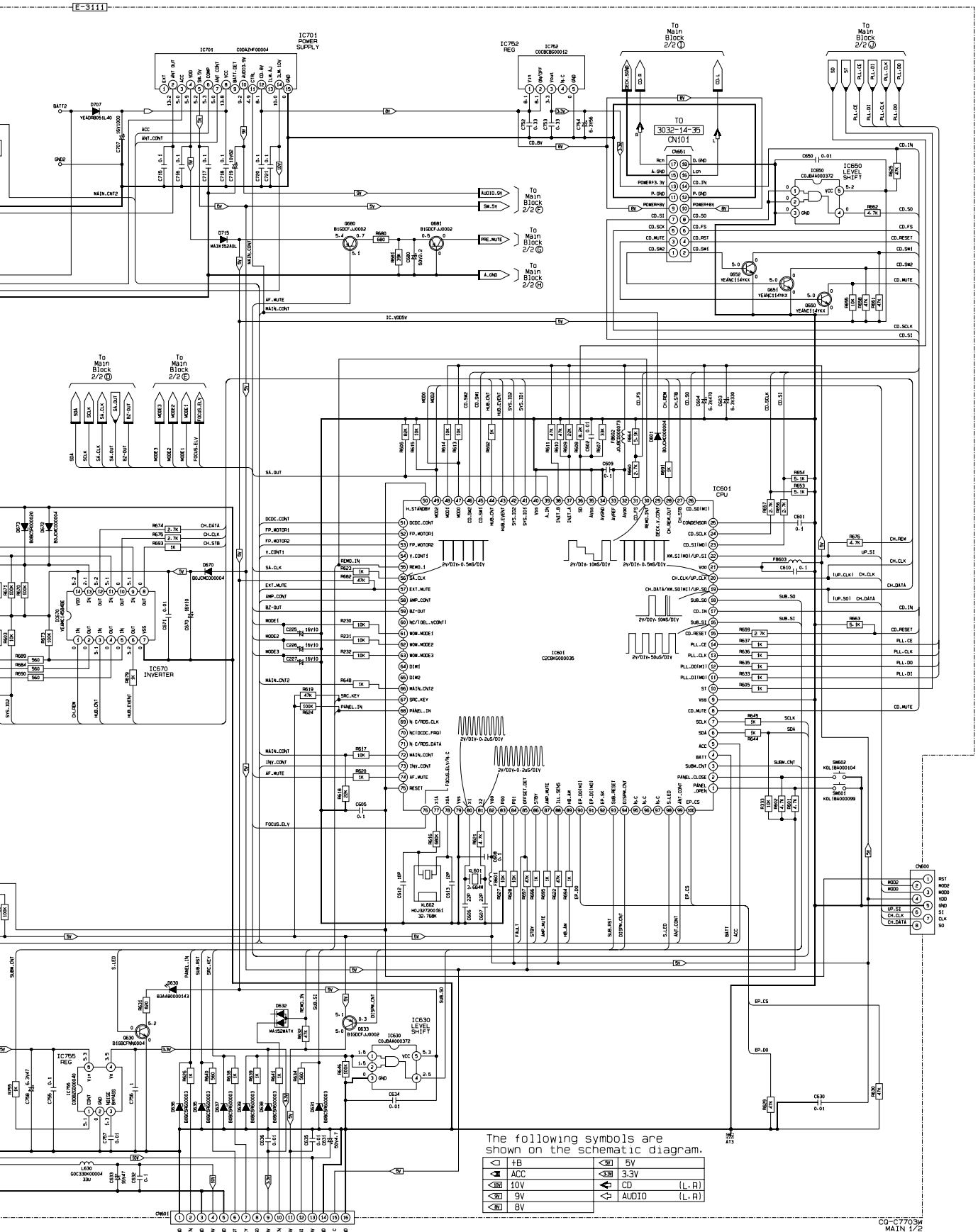



The following symbols are shown on the schematic diagram.
10V
5V
3.3V
IC900 C2CBJH000133
IC900 DISPLAY CONTROL
IC901 C3FBMD000236
IC901 FLASH MEMORY
IC902 RESET
CN903
CN902
To LCD901
CQ-C7703W DISP

18 SCHEMATIC DIAGRAM-2

18.1. Main Block-1




E-3111
IC701 POWER SUPPLY
IC752 REG
IC601 CPU
IC650 LEVEL SHIFT
IC630 LEVEL SHIFT
IC670 INVERTER
IC755 REG
To Main Block 2/2
TO 3032-14-35 CN101
TO E-9782a CN901
CN800
CN801
CN602
CN603
XL601
XL602
The following symbols are shown on the schematic diagram.
+B
ACC
10V
9V
8V
5V
3.3V
CD (L,R)
AUDIO (L,R)
CQ-C7703W MAIN 1/2

18.2. Main Block-2